

- Metallized polyester
- According to CECC 30401-042, IEC 60384-2, DIN 44122



## TYPICAL APPLICATIONS

Bypassing, signal coupling. General purpose for highest reliability.

## CONSTRUCTION

Metallized polyester film capacitor. Radial leads of tinned wire are electrically welded to the contact metal layer on the ends of the capacitor winding. Encapsulation in self-extinguishing material meeting the requirements of UL 94V-0.



## TECHNICAL DATA

|                           |       |       |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|
| Rated voltage $U_R$ , VDC | 50    | 63    | 100   | 250   | 400   | 630   | 1000  |
| Rated voltage $U_R$ , VAC | 30    | 40    | 63    | 160   | 200   | 220   | 250   |
| Capacitance, $\mu F$      | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
|                           | -10.0 | -82   | -82   | -39   | -18   | -6.8  | -4.7  |

**Capacitance tolerance**  $\pm 20\%$ ,  $\pm 10\%$  standard,  $\pm 5\%$ .

**Category temperature range**  $-55 \dots +100^\circ C$

**Voltage derating** Above  $+85^\circ C$  DC and AC voltage derating is  $1.25\%/^\circ C$ .

**Rated temperature**  $+85^\circ C$

**Climatic category** IEC 60068-1, 55/100/56  
DIN 40040, FME  
 $-55 \dots +100^\circ C (+125^\circ C)$   
Average relative humidity  $\leq 75\%$   
RH = 95% for 30 days per year.  
RH = 85% for further days limited by average value per year, occasional slight condensation permitted.

**Test voltage**  $1.6 \times U_R$  VDC for 2s

**Capacitance drift** Max. 2% after a 2 year storage period at a temperature of  $+10 \dots +40^\circ C$  and a relative humidity of 40...60%.

**Reliability** Operational life  $> 200\,000$  h.  
Failure rate  $< 3$  FIT,  $T = +40^\circ C$ ,  $U = 0.5 \times U_R$ .  
Failure criteria according to DIN 44122.

**Maximum pulse steepness:**  $dU/dt$  according to article table. For peak to peak voltages lower than rated voltage ( $U_{pp} < U_R$ ), the specified  $dU/dt$  can be multiplied by the factor  $U_R/U_{pp}$ .

**Temperature coefficient**  $+400 (\pm 200)$  ppm/ $^\circ C$  at 1 kHz

**Self inductance** Approximately 6 nH/cm for the total length of capacitor winding and the leads.

| p              | d   | std l    | max l | b         |
|----------------|-----|----------|-------|-----------|
| $5.0 \pm 0.4$  | 0.5 | $4^{+1}$ | 20    | $\pm 0.4$ |
| $7.5 \pm 0.4$  | 0.6 | $4^{+1}$ | 20    | $\pm 0.4$ |
| $10.0 \pm 0.4$ | 0.6 | $4^{+1}$ | 30    | $\pm 0.4$ |
| $15.0 \pm 0.4$ | 0.8 | $4^{+1}$ | 30    | $\pm 0.4$ |
| $22.5 \pm 0.4$ | 0.8 | $4^{+1}$ | 30    | $\pm 0.4$ |
| $27.5 \pm 0.4$ | 0.8 | $4^{+1}$ | 30    | $\pm 0.4$ |
| $37.5 \pm 0.5$ | 1.0 | $4^{+1}$ | 30    | $\pm 0.7$ |



Resonance frequencies  
MMK 5



Resonance frequencies  
MMK7.5 ... 37.5

## ENVIRONMENTAL TEST DATA

**Damp heat test** **Test conditions:**  $T = +40^\circ C$ , RH = 93%,  $t = 56$  days.  
**Test criteria:**  $\Delta C/C \leq \pm 5\%$ ,  
 $\Delta \tan \delta \leq 0.005$  (1kHz),  
IR after test  $0.5 \times IR$  min.

**Endurance test** **Test conditions:**  $T = +100^\circ C$ ,  $U = 1.25 \times (0.8 \times U_R)$ ,  
 $t = 2000$  h.  
**Test criteria:**  $\Delta C/C \leq \pm 5\%$ ,  
 $\Delta \tan \delta \leq 0.005$  (1kHz)  
 $\Delta \tan \delta \leq 0.010$  (100kHz)  
IR after test  $0.5 \times IR$  min.

## TECHNICAL DATA

### Dissipation factor $\tan\delta$

Maximum values at +23°C

$C \leq 0.1 \mu\text{F}$   $0.1 \mu\text{F} < C \leq 1.0 \mu\text{F}$   $C > 1.0 \mu\text{F}$

|                 |         |      |      |      |
|-----------------|---------|------|------|------|
| MMK5            | 1 kHz   | 0.8% | 0.8% | 0.8% |
|                 | 10 kHz  | 1.2% | 1.2% | 1.5% |
|                 | 100 kHz | 2.5% | 3.0% |      |
| MMK7.5 ... 37.5 | 1 kHz   | 0.8% | 0.8% | 1.0% |
|                 | 10 kHz  | 1.5% | 1.5% |      |
|                 | 100 kHz | 3.0% |      |      |

### Insulation resistance

Minimum values between terminals.

Measured at +20°C, according to IEC 60384-2.

$C \leq 0.33 \mu\text{F}$   $C > 0.33 \mu\text{F}$

|                        |          |         |
|------------------------|----------|---------|
| $U_R \leq 100\text{V}$ | 15000 MΩ | 5000 s  |
| $U_R > 100\text{V}$    | 30000 MΩ | 10000 s |

## ORDERING INFORMATION

See article table and pages 10 to 14 for options and article code construction.

## MARKING

- Capacitance
- Tolerance code
- Rated voltage
- Capacitor family code MMK
- Manufacturing date code

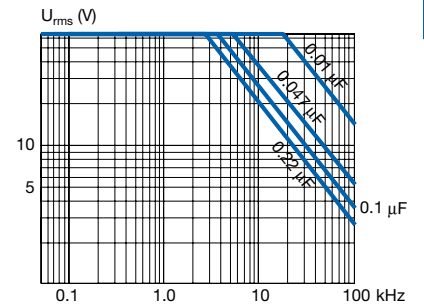
## RATED AC VOLTAGE VS. FREQUENCY



MMK5 50/30



MMK5 63/40



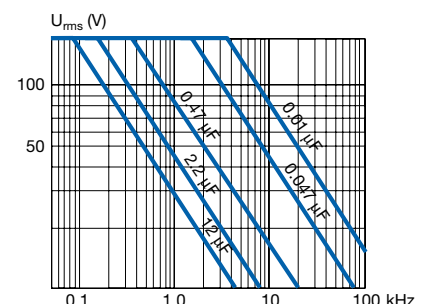
MMK5 100/63



MMK7.5 ... 37.5 63/40



MMK7.5 ... 37.5 100/63



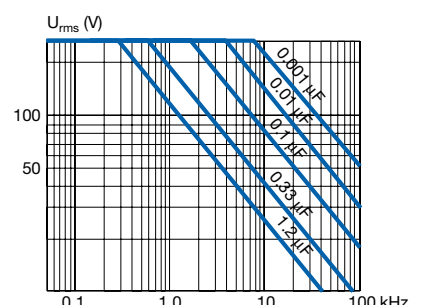
MMK7.5 ... 37.5 250/160



MMK7.5 ... 37.5 400/200



MMK7.5 ... 37.5 630/220



MMK7.5 ... 37.5 1000/250

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 50 VDC/30 VAC

## LEAD SPACING 5 MM

|        |     |     |      |     |    |                       |
|--------|-----|-----|------|-----|----|-----------------------|
| 0.0010 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 102K50J01L4 BULK |
| 0.0012 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 122K50J01L4 BULK |
| 0.0015 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 152K50J01L4 BULK |
| 0.0018 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 182K50J01L4 BULK |
| 0.0022 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 222K50J01L4 BULK |
| 0.0027 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 272K50J01L4 BULK |
| 0.0033 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 332K50J01L4 BULK |
| 0.0039 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 392K50J01L4 BULK |
| 0.0047 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 472K50J01L4 BULK |
| 0.0056 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 562K50J01L4 BULK |
| 0.0068 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 682K50J01L4 BULK |
| 0.0082 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 822K50J01L4 BULK |
| 0.010  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 103K50J01L4 BULK |
| 0.012  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 123K50J01L4 BULK |
| 0.015  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 153K50J01L4 BULK |
| 0.018  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 183K50J01L4 BULK |
| 0.022  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 223K50J01L4 BULK |
| 0.027  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 273K50J01L4 BULK |
| 0.033  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 333K50J01L4 BULK |
| 0.039  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 393K50J01L4 BULK |
| 0.047  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 473K50J01L4 BULK |
| 0.056  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 563K50J01L4 BULK |
| 0.068  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 683K50J01L4 BULK |
| 0.082  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 823K50J01L4 BULK |
| 0.10   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 104K50J01L4 BULK |
| 0.12   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 124K50J01L4 BULK |
| 0.15   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 154K50J01L4 BULK |
| 0.18   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 184K50J01L4 BULK |
| 0.22   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 224K50J01L4 BULK |
| 0.27   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 274K50J01L4 BULK |
| 0.33   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 334K50J01L4 BULK |
| 0.39   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 394K50J01L4 BULK |
| 0.47   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 474K50J01L4 BULK |
| 0.56   | J02 | 3.5 | 8.0  | 7.2 | 12 | MMK5 564K50J02L4 BULK |
| 0.68   | J02 | 3.5 | 8.0  | 7.2 | 12 | MMK5 684K50J02L4 BULK |
| 0.82   | J02 | 3.5 | 8.0  | 7.2 | 12 | MMK5 824K50J02L4 BULK |
| 1.0    | J02 | 3.5 | 8.0  | 7.2 | 12 | MMK5 105K50J02L4 BULK |
| 1.2    | J03 | 4.5 | 9.0  | 7.2 | 12 | MMK5 125K50J03L4 BULK |
| 1.5    | J03 | 4.5 | 9.0  | 7.2 | 12 | MMK5 155K50J03L4 BULK |
| 1.8    | J04 | 5.0 | 10.0 | 7.2 | 12 | MMK5 185K50J04L4 BULK |
| 2.2    | J04 | 5.0 | 10.0 | 7.2 | 12 | MMK5 225K50J04L4 BULK |
| 2.7    | J05 | 6.0 | 11.0 | 7.2 | 12 | MMK5 275K50J05L4 BULK |
| 3.3    | J05 | 6.0 | 11.0 | 7.2 | 12 | MMK5 335K50J05L4 BULK |
| 3.9    | J06 | 7.2 | 13.0 | 7.2 | 12 | MMK5 395K50J06L4 BULK |
| 4.7    | J06 | 7.2 | 13.0 | 7.2 | 12 | MMK5 475K50J06L4 BULK |
| 5.6    | J06 | 7.2 | 13.0 | 7.2 | 12 | MMK5 565K50J06L4 BULK |
| 6.0    | J06 | 7.2 | 13.0 | 7.2 | 12 | MMK5 605K50J06L4 BULK |

## LEAD SPACING 7.5 MM

|        |     |     |     |      |   |                         |
|--------|-----|-----|-----|------|---|-------------------------|
| 0.0010 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 102K50K00L4 BULK |
| 0.0012 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 122K50K00L4 BULK |
| 0.0015 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 152K50K00L4 BULK |
| 0.0018 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 182K50K00L4 BULK |
| 0.0022 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 222K50K00L4 BULK |
| 0.0027 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 272K50K00L4 BULK |
| 0.0033 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 332K50K00L4 BULK |
| 0.0039 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 392K50K00L4 BULK |
| 0.0047 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 472K50K00L4 BULK |
| 0.0056 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 562K50K00L4 BULK |

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 50 VDC/30 VAC

## LEAD SPACING 7.5 MM

|        |     |     |      |      |   |                         |
|--------|-----|-----|------|------|---|-------------------------|
| 0.0068 | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 682K50K00L4 BULK |
| 0.0082 | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 822K50K00L4 BULK |
| 0.010  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 103K50K00L4 BULK |
| 0.012  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 123K50K00L4 BULK |
| 0.015  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 153K50K00L4 BULK |
| 0.018  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 183K50K00L4 BULK |
| 0.022  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 223K50K00L4 BULK |
| 0.027  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 273K50K00L4 BULK |
| 0.033  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 333K50K00L4 BULK |
| 0.039  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 393K50K00L4 BULK |
| 0.047  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 473K50K00L4 BULK |
| 0.056  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 563K50K00L4 BULK |
| 0.068  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 683K50K00L4 BULK |
| 0.082  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 823K50K00L4 BULK |
| 0.10   | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 104K50K00L4 BULK |
| 0.12   | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 124K50K00L4 BULK |
| 0.15   | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 154K50K00L4 BULK |
| 0.18   | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 184K50K00L4 BULK |
| 0.22   | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 224K50K00L4 BULK |
| 0.27   | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 274K50K00L4 BULK |
| 0.33   | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 334K50K00L4 BULK |
| 0.39   | K01 | 4.0 | 8.0  | 10.0 | 5 | MMK7.5 394K50K01L4 BULK |
| 0.47   | K01 | 4.0 | 8.0  | 10.0 | 5 | MMK7.5 474K50K01L4 BULK |
| 0.56   | K01 | 4.0 | 8.0  | 10.0 | 5 | MMK7.5 564K50K01L4 BULK |
| 0.68   | K01 | 4.0 | 8.0  | 10.0 | 5 | MMK7.5 684K50K01L4 BULK |
| 0.82   | K01 | 4.0 | 8.0  | 10.0 | 5 | MMK7.5 824K50K01L4 BULK |
| 1.0    | K01 | 4.0 | 8.0  | 10.0 | 5 | MMK7.5 105K50K01L4 BULK |
| 1.2    | K03 | 5.0 | 11.0 | 10.0 | 5 | MMK7.5 125K50K03L4 BULK |
| 1.5    | K03 | 5.0 | 11.0 | 10.0 | 5 | MMK7.5 155K50K03L4 BULK |
| 1.8    | K03 | 5.0 | 11.0 | 10.0 | 5 | MMK7.5 185K50K03L4 BULK |
| 2.2    | K04 | 6.0 | 12.0 | 10.5 | 5 | MMK7.5 225K50K04L4 BULK |
| 2.7    | K04 | 6.0 | 12.0 | 10.5 | 5 | MMK7.5 275K50K04L4 BULK |
| 3.3    | K04 | 6.0 | 12.0 | 10.5 | 5 | MMK7.5 335K50K04L4 BULK |

## LEAD SPACING 10 MM

|     |     |     |      |      |   |                        |
|-----|-----|-----|------|------|---|------------------------|
| 1.0 | A01 | 4.0 | 9.0  | 13.0 | 4 | MMK10 105K50A01L4 BULK |
| 1.2 | A01 | 4.0 | 9.0  | 13.0 | 4 | MMK10 125K50A01L4 BULK |
| 1.5 | A02 | 4.5 | 10.5 | 13.0 | 4 | MMK10 155K50A02L4 BULK |
| 1.8 | A03 | 5.0 | 11.0 | 13.0 | 4 | MMK10 185K50A03L4 BULK |
| 2.2 | A03 | 5.0 | 11.0 | 13.0 | 4 | MMK10 225K50A03L4 BULK |
| 2.7 | A04 | 6.0 | 12.0 | 13.0 | 4 | MMK10 275K50A04L4 BULK |

## LEAD SPACING 15 MM

|      |     |     |      |      |   |                        |
|------|-----|-----|------|------|---|------------------------|
| 2.0  | B04 | 5.5 | 10.5 | 18.0 | 3 | MMK15 205K50B04L4 BULK |
| 2.2  | B04 | 5.5 | 10.5 | 18.0 | 3 | MMK15 225K50B04L4 BULK |
| 2.7  | B05 | 5.5 | 12.5 | 18.0 | 3 | MMK15 275K50B05L4 BULK |
| 3.3  | B05 | 5.5 | 12.5 | 18.0 | 3 | MMK15 335K50B05L4 BULK |
| 3.9  | B10 | 6.5 | 12.5 | 18.0 | 3 | MMK15 395K50B10L4 BULK |
| 4.7  | B06 | 7.5 | 14.5 | 18.0 | 3 | MMK15 475K50B06L4 BULK |
| 5.6  | B06 | 7.5 | 14.5 | 18.0 | 3 | MMK15 565K50B06L4 BULK |
| 6.8  | B12 | 8.0 | 15.0 | 18.0 | 3 | MMK15 685K50B12L4 BULK |
| 8.2  | B11 | 8.5 | 16.0 | 18.0 | 3 | MMK15 825K50B11L4 BULK |
| 10.0 | B14 | 9.5 | 17.5 | 18.0 | 3 | MMK15 106K50B14L4 BULK |

## ARTICLE TABLE

| Capaci-<br>tance<br>µF | Box<br>code | Max dimen-<br>sions in mm |      |      | Max<br>dU/dt<br>V/µs | Article code            | Capaci-<br>tance<br>µF | Box<br>code | Max dimen-<br>sions in mm |      |      | Max<br>dU/dt<br>V/µs   | Article code            |
|------------------------|-------------|---------------------------|------|------|----------------------|-------------------------|------------------------|-------------|---------------------------|------|------|------------------------|-------------------------|
| 63 VDC/40 VAC          |             |                           |      |      |                      | 63 VDC/40 VAC           |                        |             |                           |      |      |                        |                         |
| LEAD SPACING 5 MM      |             |                           |      |      |                      | LEAD SPACING 7.5 MM     |                        |             |                           |      |      |                        |                         |
| 0.0010                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 102K63J01L4 BULK   | 0.022                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 223K63K00L4 BULK |
| 0.0012                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 122K63J01L4 BULK   | 0.027                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 273K63K00L4 BULK |
| 0.0015                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 152K63J01L4 BULK   | 0.033                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 333K63K00L4 BULK |
| 0.0018                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 182K63J01L4 BULK   | 0.039                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 393K63K00L4 BULK |
| 0.0022                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 222K63J01L4 BULK   | 0.047                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 473K63K00L4 BULK |
| 0.0027                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 272K63J01L4 BULK   | 0.056                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 563K63K00L4 BULK |
| 0.0033                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 332K63J01L4 BULK   | 0.068                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 683K63K00L4 BULK |
| 0.0039                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 392K63J01L4 BULK   | 0.082                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 823K63K00L4 BULK |
| 0.0047                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 472K63J01L4 BULK   | 0.10                   | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 104K63K00L4 BULK |
| 0.0056                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 562K63J01L4 BULK   | 0.12                   | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 124K63K00L4 BULK |
| 0.0068                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 682K63J01L4 BULK   | 0.15                   | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 154K63K00L4 BULK |
| 0.0082                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 822K63J01L4 BULK   | 0.18                   | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 184K63K00L4 BULK |
| 0.010                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 103K63J01L4 BULK   | 0.22                   | K01         | 4.0                       | 8.0  | 10.0 | 10                     | MMK7.5 224K63K01L4 BULK |
| 0.012                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 123K63J01L4 BULK   | 0.27                   | K01         | 4.0                       | 8.0  | 10.0 | 10                     | MMK7.5 274K63K01L4 BULK |
| 0.015                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 153K63J01L4 BULK   | 0.33                   | K01         | 4.0                       | 8.0  | 10.0 | 10                     | MMK7.5 334K63K01L4 BULK |
| 0.018                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 183K63J01L4 BULK   | 0.39                   | K01         | 4.0                       | 8.0  | 10.0 | 10                     | MMK7.5 394K63K01L4 BULK |
| 0.022                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 223K63J01L4 BULK   | 0.47                   | K01         | 4.0                       | 8.0  | 10.0 | 10                     | MMK7.5 474K63K01L4 BULK |
| 0.027                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 273K63J01L4 BULK   | 0.56                   | K03         | 5.0                       | 11.0 | 10.0 | 10                     | MMK7.5 564K63K03L4 BULK |
| 0.033                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 333K63J01L4 BULK   | 0.68                   | K03         | 5.0                       | 11.0 | 10.0 | 10                     | MMK7.5 684K63K03L4 BULK |
| 0.039                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 393K63J01L4 BULK   | 0.82                   | K03         | 5.0                       | 11.0 | 10.0 | 10                     | MMK7.5 824K63K03L4 BULK |
| 0.047                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 473K63J01L4 BULK   | 1.0                    | K03         | 5.0                       | 11.0 | 10.0 | 10                     | MMK7.5 105K63K03L4 BULK |
| 0.056                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 563K63J01L4 BULK   | 1.2                    | K04         | 6.0                       | 12.0 | 10.5 | 10                     | MMK7.5 125K63K04L4 BULK |
| 0.068                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 683K63J01L4 BULK   | 1.5                    | K04         | 6.0                       | 12.0 | 10.5 | 10                     | MMK7.5 155K63K04L4 BULK |
| 0.082                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 823K63J01L4 BULK   | LEAD SPACING 10 MM     |             |                           |      |      |                        |                         |
| 0.10                   | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 104K63J01L4 BULK   | 0.0010                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 102K63A01L4 BULK  |
| 0.12                   | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 124K63J01L4 BULK   | 0.0012                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 122K63A01L4 BULK  |
| 0.15                   | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 154K63J01L4 BULK   | 0.0015                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 152K63A01L4 BULK  |
| 0.18                   | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 184K63J01L4 BULK   | 0.0018                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 182K63A01L4 BULK  |
| 0.22                   | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 224K63J01L4 BULK   | 0.0022                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 222K63A01L4 BULK  |
| 0.27                   | J02         | 3.5                       | 8.0  | 7.2  | 25                   | MMK5 274K63J02L4 BULK   | 0.0027                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 272K63A01L4 BULK  |
| 0.33                   | J02         | 3.5                       | 8.0  | 7.2  | 25                   | MMK5 334K63J02L4 BULK   | 0.0033                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 332K63A01L4 BULK  |
| 0.39                   | J02         | 3.5                       | 8.0  | 7.2  | 25                   | MMK5 394K63J02L4 BULK   | 0.0039                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 392K63A01L4 BULK  |
| 0.47                   | J02         | 3.5                       | 8.0  | 7.2  | 25                   | MMK5 474K63J02L4 BULK   | 0.0047                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 472K63A01L4 BULK  |
| 0.56                   | J03         | 4.5                       | 9.0  | 7.2  | 25                   | MMK5 564K63J03L4 BULK   | 0.0056                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 562K63A01L4 BULK  |
| 0.68                   | J03         | 4.5                       | 9.0  | 7.2  | 25                   | MMK5 684K63J03L4 BULK   | 0.0068                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 682K63A01L4 BULK  |
| 0.82                   | J04         | 5.0                       | 10.0 | 7.2  | 25                   | MMK5 824K63J04L4 BULK   | 0.0078                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 782K63A01L4 BULK  |
| 1.0                    | J04         | 5.0                       | 10.0 | 7.2  | 25                   | MMK5 105K63J04L4 BULK   | 0.0082                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 822K63A01L4 BULK  |
| 1.2                    | J05         | 6.0                       | 11.0 | 7.2  | 25                   | MMK5 125K63J05L4 BULK   | 0.010                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 103K63A01L4 BULK  |
| 1.5                    | J05         | 6.0                       | 11.0 | 7.2  | 25                   | MMK5 155K63J05L4 BULK   | 0.012                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 123K63A01L4 BULK  |
| 1.8                    | J06         | 7.2                       | 13.0 | 7.2  | 25                   | MMK5 185K63J06L4 BULK   | 0.015                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 153K63A01L4 BULK  |
| 2.2                    | J06         | 7.2                       | 13.0 | 7.2  | 25                   | MMK5 225K63J06L4 BULK   | 0.018                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 183K63A01L4 BULK  |
| LEAD SPACING 7.5 MM    |             |                           |      |      |                      | 0.022                   | A01                    | 4.0         | 9.0                       | 13.0 | 8    | MMK10 223K63A01L4 BULK |                         |
| 0.0010                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 102K63K00L4 BULK | 0.027                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 273K63A01L4 BULK  |
| 0.0012                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 122K63K00L4 BULK | 0.033                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 333K63A01L4 BULK  |
| 0.0015                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 152K63K00L4 BULK | 0.039                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 393K63A01L4 BULK  |
| 0.0018                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 182K63K00L4 BULK | 0.047                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 473K63A01L4 BULK  |
| 0.0022                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 222K63K00L4 BULK | 0.056                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 563K63A01L4 BULK  |
| 0.0027                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 272K63K00L4 BULK | 0.068                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 683K63A01L4 BULK  |
| 0.0033                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 332K63K00L4 BULK | 0.082                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 823K63A01L4 BULK  |
| 0.0039                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 392K63K00L4 BULK | 0.10                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 104K63A01L4 BULK  |
| 0.0047                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 472K63K00L4 BULK | 0.12                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 124K63A01L4 BULK  |
| 0.0056                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 562K63K00L4 BULK | 0.15                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 154K63A01L4 BULK  |
| 0.0068                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 682K63K00L4 BULK | 0.18                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 184K63A01L4 BULK  |
| 0.0082                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 822K63K00L4 BULK | 0.22                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 224K63A01L4 BULK  |
| 0.010                  | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 103K63K00L4 BULK | 0.27                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 274K63A01L4 BULK  |
| 0.012                  | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 123K63K00L4 BULK | 0.33                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 334K63A01L4 BULK  |
| 0.015                  | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 153K63K00L4 BULK | 0.39                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 394K63A01L4 BULK  |
| 0.018                  | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 183K63K00L4 BULK | 0.47                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 474K63A01L4 BULK  |

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 63 VDC/40 VAC

## LEAD SPACING 10 MM

|      |     |     |      |      |   |                        |
|------|-----|-----|------|------|---|------------------------|
| 0.56 | A01 | 4.0 | 9.0  | 13.0 | 8 | MMK10 564K63A01L4 BULK |
| 0.68 | A01 | 4.0 | 9.0  | 13.0 | 8 | MMK10 684K63A01L4 BULK |
| 0.82 | A01 | 4.0 | 9.0  | 13.0 | 8 | MMK10 824K63A01L4 BULK |
| 1.0  | A02 | 4.5 | 10.5 | 13.0 | 8 | MMK10 105K63A02L4 BULK |
| 1.2  | A02 | 4.5 | 10.5 | 13.0 | 8 | MMK10 125K63A02L4 BULK |
| 1.5  | A03 | 5.0 | 11.0 | 13.0 | 8 | MMK10 155K63A03L4 BULK |
| 1.8  | A04 | 6.0 | 12.0 | 13.0 | 8 | MMK10 185K63A04L4 BULK |
| 2.2  | A04 | 6.0 | 12.0 | 13.0 | 8 | MMK10 225K63A04L4 BULK |

## LEAD SPACING 15 MM

|      |     |     |      |      |   |                        |
|------|-----|-----|------|------|---|------------------------|
| 0.68 | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 684K63B04L4 BULK |
| 0.82 | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 824K63B04L4 BULK |
| 1.0  | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 105K63B04L4 BULK |
| 1.2  | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 125K63B04L4 BULK |
| 1.5  | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 155K63B04L4 BULK |
| 1.8  | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 185K63B04L4 BULK |
| 2.0  | B05 | 5.5 | 12.5 | 18.0 | 5 | MMK15 205K63B05L4 BULK |
| 2.2  | B05 | 5.5 | 12.5 | 18.0 | 5 | MMK15 225K63B05L4 BULK |
| 2.7  | B10 | 6.5 | 12.5 | 18.0 | 5 | MMK15 275K63B10L4 BULK |
| 3.3  | B10 | 6.5 | 12.5 | 18.0 | 5 | MMK15 335K63B10L4 BULK |
| 3.9  | B06 | 7.5 | 14.5 | 18.0 | 5 | MMK15 395K63B06L4 BULK |
| 4.7  | B06 | 7.5 | 14.5 | 18.0 | 5 | MMK15 475K63B06L4 BULK |
| 5.6  | B11 | 8.5 | 16.0 | 18.0 | 5 | MMK15 565K63B11L4 BULK |
| 6.8  | B14 | 9.5 | 17.5 | 18.0 | 5 | MMK15 685K63B14L4 BULK |

## LEAD SPACING 22.5 MM

|     |     |      |      |      |   |                          |
|-----|-----|------|------|------|---|--------------------------|
| 3.3 | D13 | 6.5  | 14.5 | 26.0 | 3 | MMK22.5 335K63D13L4 TRAY |
| 3.9 | D13 | 6.5  | 14.5 | 26.0 | 3 | MMK22.5 395K63D13L4 TRAY |
| 4.7 | D13 | 6.5  | 14.5 | 26.0 | 3 | MMK22.5 475K63D13L4 TRAY |
| 5.6 | D17 | 7.0  | 16.5 | 26.0 | 3 | MMK22.5 565K63D17L4 TRAY |
| 6.8 | D17 | 7.0  | 16.5 | 26.0 | 3 | MMK22.5 685K63D17L4 TRAY |
| 8.2 | D14 | 8.0  | 16.0 | 26.0 | 3 | MMK22.5 825K63D14L4 TRAY |
| 10  | D15 | 9.0  | 18.5 | 26.0 | 3 | MMK22.5 106K63D15L4 TRAY |
| 12  | D18 | 10.5 | 19.0 | 26.0 | 3 | MMK22.5 126K63D18L4 TRAY |
| 15  | D16 | 11.0 | 21.5 | 26.0 | 3 | MMK22.5 156K63D16L4 TRAY |
| 18  | D20 | 13.5 | 23.0 | 26.0 | 3 | MMK22.5 186K63D20L4 TRAY |
| 22  | D19 | 15.5 | 24.5 | 26.0 | 3 | MMK22.5 226K63D19L4 TRAY |

## LEAD SPACING 27.5 MM

|     |     |      |      |      |   |                          |
|-----|-----|------|------|------|---|--------------------------|
| 8.2 | F11 | 10.5 | 20.5 | 31.5 | 2 | MMK27.5 825K63F11L4 TRAY |
| 10  | F11 | 10.5 | 20.5 | 31.5 | 2 | MMK27.5 106K63F11L4 TRAY |
| 12  | F11 | 10.5 | 20.5 | 31.5 | 2 | MMK27.5 126K63F11L4 TRAY |
| 15  | F12 | 11.5 | 22.5 | 31.5 | 2 | MMK27.5 156K63F12L4 TRAY |
| 15  | F17 | 21.0 | 12.5 | 31.5 | 2 | MMK27.5 156K63F17L4 TRAY |
| 18  | F12 | 11.5 | 22.5 | 31.5 | 2 | MMK27.5 186K63F12L4 TRAY |
| 22  | F13 | 14.5 | 24.5 | 31.5 | 2 | MMK27.5 226K63F13L4 TRAY |
| 27  | F14 | 17.5 | 28.0 | 31.5 | 2 | MMK27.5 276K63F14L4 TRAY |
| 33  | F14 | 17.5 | 28.0 | 31.5 | 2 | MMK27.5 336K63F14L4 TRAY |
| 33  | F19 | 27.5 | 16.0 | 31.5 | 2 | MMK27.5 336K63F19L4 TRAY |
| 39  | F15 | 19.0 | 29.0 | 31.5 | 2 | MMK27.5 396K63F15L4 TRAY |
| 47  | F16 | 21.0 | 30.0 | 31.5 | 2 | MMK27.5 476K63F16L4 TRAY |
| 47  | F18 | 31.0 | 19.0 | 31.5 | 2 | MMK27.5 476K63F18L4 TRAY |

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 63 VDC/40 VAC

## LEAD SPACING 37.5 MM

|    |     |      |      |      |   |                          |
|----|-----|------|------|------|---|--------------------------|
| 27 | R05 | 13.0 | 24.0 | 41.0 | 1 | MMK37.5 276K63R05L4 TRAY |
| 33 | R04 | 15.0 | 26.0 | 41.0 | 1 | MMK37.5 336K63R04L4 TRAY |
| 39 | R04 | 15.0 | 26.0 | 41.0 | 1 | MMK37.5 396K63R04L4 TRAY |
| 47 | R02 | 16.5 | 32.0 | 41.0 | 1 | MMK37.5 476K63R02L4 TRAY |
| 56 | R03 | 19.0 | 36.0 | 41.0 | 1 | MMK37.5 566K63R03L4 TRAY |
| 68 | R03 | 19.0 | 36.0 | 41.0 | 1 | MMK37.5 686K63R03L4 TRAY |
| 82 | R06 | 21.0 | 38.0 | 41.0 | 1 | MMK37.5 826K63R06L4 TRAY |

## 100 VDC/63 VAC

## LEAD SPACING 5 MM

|        |     |     |      |     |    |                        |
|--------|-----|-----|------|-----|----|------------------------|
| 0.0010 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 102K100J01L4 BULK |
| 0.0012 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 122K100J01L4 BULK |
| 0.0015 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 152K100J01L4 BULK |
| 0.0018 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 182K100J01L4 BULK |
| 0.0022 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 222K100J01L4 BULK |
| 0.0027 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 272K100J01L4 BULK |
| 0.0033 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 332K100J01L4 BULK |
| 0.0039 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 392K100J01L4 BULK |
| 0.0047 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 472K100J01L4 BULK |
| 0.0056 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 562K100J01L4 BULK |
| 0.0068 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 682K100J01L4 BULK |
| 0.0082 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 822K100J01L4 BULK |
| 0.010  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 103K100J01L4 BULK |
| 0.012  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 123K100J01L4 BULK |
| 0.015  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 153K100J01L4 BULK |
| 0.018  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 183K100J01L4 BULK |
| 0.022  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 223K100J01L4 BULK |
| 0.027  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 273K100J01L4 BULK |
| 0.033  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 333K100J01L4 BULK |
| 0.039  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 393K100J01L4 BULK |
| 0.047  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 473K100J01L4 BULK |
| 0.056  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 563K100J01L4 BULK |
| 0.068  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 683K100J01L4 BULK |
| 0.082  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 823K100J01L4 BULK |
| 0.10   | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 104K100J01L4 BULK |
| 0.12   | J02 | 3.5 | 8.0  | 7.2 | 30 | MMK5 124K100J02L4 BULK |
| 0.15   | J02 | 3.5 | 8.0  | 7.2 | 30 | MMK5 154K100J02L4 BULK |
| 0.18   | J02 | 3.5 | 8.0  | 7.2 | 30 | MMK5 184K100J02L4 BULK |
| 0.22   | J02 | 3.5 | 8.0  | 7.2 | 30 | MMK5 224K100J02L4 BULK |
| 0.27   | J03 | 4.5 | 9.0  | 7.2 | 30 | MMK5 274K100J03L4 BULK |
| 0.33   | J03 | 4.5 | 9.0  | 7.2 | 30 | MMK5 334K100J03L4 BULK |
| 0.39   | J04 | 5.0 | 10.0 | 7.2 | 30 | MMK5 394K100J04L4 BULK |
| 0.47   | J04 | 5.0 | 10.0 | 7.2 | 30 | MMK5 474K100J04L4 BULK |
| 0.56   | J05 | 6.0 | 11.0 | 7.2 | 30 | MMK5 564K100J05L4 BULK |
| 0.68   | J05 | 6.0 | 11.0 | 7.2 | 30 | MMK5 684K100J05L4 BULK |
| 0.82   | J06 | 7.2 | 13.0 | 7.2 | 30 | MMK5 824K100J06L4 BULK |
| 1.0    | J06 | 7.2 | 13.0 | 7.2 | 30 | MMK5 105K100J06L4 BULK |

## LEAD SPACING 7.5 MM

|        |     |     |     |      |    |                          |
|--------|-----|-----|-----|------|----|--------------------------|
| 0.0010 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 102K100K00L4 BULK |
| 0.0012 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 122K100K00L4 BULK |
| 0.0015 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 152K100K00L4 BULK |
| 0.0018 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 182K100K00L4 BULK |
| 0.0022 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 222K100K00L4 BULK |
| 0.0027 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 272K100K00L4 BULK |
| 0.0033 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 332K100K00L4 BULK |
| 0.0039 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 392K100K00L4 BULK |
| 0.0047 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 472K100K00L4 BULK |
| 0.0056 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 562K100K00L4 BULK |

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 100 VDC/63 VAC

## LEAD SPACING 7.5 MM

|        |     |     |      |      |    |                          |
|--------|-----|-----|------|------|----|--------------------------|
| 0.0068 | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 682K100K00L4 BULK |
| 0.0082 | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 822K100K00L4 BULK |
| 0.010  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 103K100K00L4 BULK |
| 0.012  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 123K100K00L4 BULK |
| 0.015  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 153K100K00L4 BULK |
| 0.018  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 183K100K00L4 BULK |
| 0.022  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 223K100K00L4 BULK |
| 0.027  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 273K100K00L4 BULK |
| 0.033  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 333K100K00L4 BULK |
| 0.039  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 393K100K00L4 BULK |
| 0.047  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 473K100K00L4 BULK |
| 0.056  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 563K100K00L4 BULK |
| 0.068  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 683K100K00L4 BULK |
| 0.082  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 823K100K00L4 BULK |
| 0.10   | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 104K100K00L4 BULK |
| 0.12   | K01 | 4.0 | 8.0  | 10.0 | 20 | MMK7.5 124K100K01L4 BULK |
| 0.15   | K01 | 4.0 | 8.0  | 10.0 | 20 | MMK7.5 154K100K01L4 BULK |
| 0.18   | K01 | 4.0 | 8.0  | 10.0 | 20 | MMK7.5 184K100K01L4 BULK |
| 0.22   | K01 | 4.0 | 8.0  | 10.0 | 20 | MMK7.5 224K100K01L4 BULK |
| 0.27   | K01 | 4.0 | 8.0  | 10.0 | 20 | MMK7.5 274K100K01L4 BULK |
| 0.33   | K03 | 5.0 | 11.0 | 10.0 | 20 | MMK7.5 334K100K03L4 BULK |
| 0.39   | K03 | 5.0 | 11.0 | 10.0 | 20 | MMK7.5 394K100K03L4 BULK |
| 0.47   | K03 | 5.0 | 11.0 | 10.0 | 20 | MMK7.5 474K100K03L4 BULK |
| 0.56   | K03 | 5.0 | 11.0 | 10.0 | 20 | MMK7.5 564K100K03L4 BULK |
| 0.68   | K03 | 5.0 | 11.0 | 10.0 | 20 | MMK7.5 684K100K03L4 BULK |
| 0.82   | K04 | 6.0 | 12.0 | 10.5 | 20 | MMK7.5 824K100K04L4 BULK |
| 1.0    | K04 | 6.0 | 12.0 | 10.5 | 20 | MMK7.5 105K100K04L4 BULK |

## LEAD SPACING 10 MM

|        |     |     |     |      |    |                         |
|--------|-----|-----|-----|------|----|-------------------------|
| 0.0010 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 102K100A01L4 BULK |
| 0.0012 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 122K100A01L4 BULK |
| 0.0015 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 152K100A01L4 BULK |
| 0.0018 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 182K100A01L4 BULK |
| 0.0022 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 222K100A01L4 BULK |
| 0.0027 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 272K100A01L4 BULK |
| 0.0033 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 332K100A01L4 BULK |
| 0.0039 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 392K100A01L4 BULK |
| 0.0047 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 472K100A01L4 BULK |
| 0.0056 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 562K100A01L4 BULK |
| 0.0068 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 682K100A01L4 BULK |
| 0.0078 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 782K100A01L4 BULK |
| 0.0082 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 822K100A01L4 BULK |
| 0.010  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 103K100A01L4 BULK |
| 0.012  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 123K100A01L4 BULK |
| 0.015  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 153K100A01L4 BULK |
| 0.018  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 183K100A01L4 BULK |
| 0.022  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 223K100A01L4 BULK |
| 0.027  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 273K100A01L4 BULK |
| 0.033  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 333K100A01L4 BULK |
| 0.039  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 393K100A01L4 BULK |
| 0.047  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 473K100A01L4 BULK |
| 0.056  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 563K100A01L4 BULK |
| 0.068  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 683K100A01L4 BULK |
| 0.082  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 823K100A01L4 BULK |
| 0.10   | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 104K100A01L4 BULK |
| 0.12   | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 124K100A01L4 BULK |
| 0.15   | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 154K100A01L4 BULK |
| 0.18   | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 184K100A01L4 BULK |
| 0.22   | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 224K100A01L4 BULK |
| 0.27   | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 274K100A01L4 BULK |
| 0.33   | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 334K100A01L4 BULK |

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 100 VDC/63 VAC

## LEAD SPACING 10 MM

|      |     |     |      |      |    |                         |
|------|-----|-----|------|------|----|-------------------------|
| 0.39 | A01 | 4.0 | 9.0  | 13.0 | 12 | MMK10 394K100A01L4 BULK |
| 0.47 | A01 | 4.0 | 9.0  | 13.0 | 12 | MMK10 474K100A01L4 BULK |
| 0.56 | A02 | 4.5 | 10.5 | 13.0 | 12 | MMK10 564K100A02L4 BULK |
| 0.68 | A02 | 4.5 | 10.5 | 13.0 | 12 | MMK10 684K100A02L4 BULK |
| 0.82 | A02 | 4.5 | 10.5 | 13.0 | 12 | MMK10 824K100A02L4 BULK |
| 1.0  | A04 | 6.0 | 12.0 | 13.0 | 12 | MMK10 105K100A04L4 BULK |

## LEAD SPACING 15 MM

|      |     |     |      |      |   |                         |
|------|-----|-----|------|------|---|-------------------------|
| 0.27 | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 274K100B04L4 BULK |
| 0.33 | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 334K100B04L4 BULK |
| 0.39 | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 394K100B04L4 BULK |
| 0.47 | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 474K100B04L4 BULK |
| 0.56 | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 564K100B04L4 BULK |
| 0.68 | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 684K100B04L4 BULK |
| 0.82 | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 824K100B04L4 BULK |
| 1.0  | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 105K100B04L4 BULK |
| 1.2  | B05 | 5.5 | 12.5 | 18.0 | 8 | MMK15 125K100B05L4 BULK |
| 1.5  | B10 | 6.5 | 12.5 | 18.0 | 8 | MMK15 155K100B10L4 BULK |
| 1.8  | B06 | 7.5 | 14.5 | 18.0 | 8 | MMK15 185K100B06L4 BULK |
| 2.2  | B06 | 7.5 | 14.5 | 18.0 | 8 | MMK15 225K100B06L4 BULK |
| 2.7  | B12 | 8.0 | 15.0 | 18.0 | 8 | MMK15 275K100B12L4 BULK |
| 3.3  | B11 | 8.5 | 16.0 | 18.0 | 8 | MMK15 335K100B11L4 BULK |
| 3.9  | B14 | 9.5 | 17.5 | 18.0 | 8 | MMK15 395K100B14L4 BULK |

## LEAD SPACING 22.5 MM

|      |     |      |      |      |   |                           |
|------|-----|------|------|------|---|---------------------------|
| 1.2  | D13 | 6.5  | 14.5 | 26.0 | 5 | MMK22.5 125K100D13L4 TRAY |
| 1.5  | D13 | 6.5  | 14.5 | 26.0 | 5 | MMK22.5 155K100D13L4 TRAY |
| 1.8  | D13 | 6.5  | 14.5 | 26.0 | 5 | MMK22.5 185K100D13L4 TRAY |
| 2.0  | D13 | 6.5  | 14.5 | 26.0 | 5 | MMK22.5 205K100D13L4 TRAY |
| 2.2  | D13 | 6.5  | 14.5 | 26.0 | 5 | MMK22.5 225K100D13L4 TRAY |
| 2.7  | D13 | 6.5  | 14.5 | 26.0 | 5 | MMK22.5 275K100D13L4 TRAY |
| 3.3  | D17 | 7.0  | 16.5 | 26.0 | 5 | MMK22.5 335K100D17L4 TRAY |
| 3.9  | D14 | 8.0  | 16.0 | 26.0 | 5 | MMK22.5 395K100D14L4 TRAY |
| 4.7  | D15 | 9.0  | 18.5 | 26.0 | 5 | MMK22.5 475K100D15L4 TRAY |
| 5.6  | D15 | 9.0  | 18.5 | 26.0 | 5 | MMK22.5 565K100D15L4 TRAY |
| 6.8  | D18 | 10.5 | 19.0 | 26.0 | 5 | MMK22.5 685K100D18L4 TRAY |
| 8.2  | D16 | 11.0 | 21.5 | 26.0 | 5 | MMK22.5 825K100D16L4 TRAY |
| 10.0 | D20 | 13.5 | 23.0 | 26.0 | 5 | MMK22.5 106K100D20L4 TRAY |
| 12.0 | D19 | 15.5 | 24.5 | 26.0 | 5 | MMK22.5 126K100D19L4 TRAY |
| 15.0 | D19 | 15.5 | 24.5 | 26.0 | 5 | MMK22.5 156K100D19L4 TRAY |

## LEAD SPACING 27.5 MM

|     |     |      |      |      |   |                           |
|-----|-----|------|------|------|---|---------------------------|
| 3.9 | F11 | 10.5 | 20.5 | 31.5 | 3 | MMK27.5 395K100F11L4 TRAY |
| 4.7 | F11 | 10.5 | 20.5 | 31.5 | 3 | MMK27.5 475K100F11L4 TRAY |
| 5.6 | F11 | 10.5 | 20.5 | 31.5 | 3 | MMK27.5 565K100F11L4 TRAY |
| 6.8 | F11 | 10.5 | 20.5 | 31.5 | 3 | MMK27.5 685K100F11L4 TRAY |
| 8.2 | F11 | 10.5 | 20.5 | 31.5 | 3 | MMK27.5 825K100F11L4 TRAY |
| 10  | F12 | 11.5 | 22.5 | 31.5 | 3 | MMK27.5 106K100F12L4 TRAY |
| 10  | F17 | 21.0 | 12.5 | 31.5 | 3 | MMK27.5 106K100F17L4 TRAY |
| 12  | F12 | 11.5 | 22.5 | 31.5 | 3 | MMK27.5 126K100F12L4 TRAY |
| 15  | F13 | 14.5 | 24.5 | 31.5 | 3 | MMK27.5 156K100F13L4 TRAY |
| 18  | F14 | 17.5 | 28.0 | 31.5 | 3 | MMK27.5 186K100F14L4 TRAY |
| 22  | F14 | 17.5 | 28.0 | 31.5 | 3 | MMK27.5 226K100F14L4 TRAY |
| 22  | F19 | 27.5 | 16.0 | 31.5 | 3 | MMK27.5 226K100F19L4 TRAY |
| 27  | F15 | 19.0 | 29.0 | 31.5 | 3 | MMK27.5 276K100F15L4 TRAY |
| 27  | F18 | 31.0 | 19.0 | 31.5 | 3 | MMK27.5 276K100F18L4 TRAY |
| 33  | F16 | 21.0 | 30.0 | 31.5 | 3 | MMK27.5 336K100F16L4 TRAY |

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 100 VDC/63 VAC

## LEAD SPACING 37.5 MM

|     |     |      |      |      |   |                           |
|-----|-----|------|------|------|---|---------------------------|
| 12  | R05 | 13.0 | 24.0 | 41.0 | 2 | MMK37.5 126K100R05L4 TRAY |
| 15  | R05 | 13.0 | 24.0 | 41.0 | 2 | MMK37.5 156K100R05L4 TRAY |
| 18  | R05 | 13.0 | 24.0 | 41.0 | 2 | MMK37.5 186K100R05L4 TRAY |
| 22  | R04 | 15.0 | 26.0 | 41.0 | 2 | MMK37.5 226K100R04L4 TRAY |
| 27  | R04 | 15.0 | 26.0 | 41.0 | 2 | MMK37.5 276K100R04L4 TRAY |
| 33  | R02 | 16.5 | 32.0 | 41.0 | 2 | MMK37.5 336K100R02L4 TRAY |
| 39  | R03 | 19.0 | 36.0 | 41.0 | 2 | MMK37.5 396K100R03L4 TRAY |
| 47  | R03 | 19.0 | 36.0 | 41.0 | 2 | MMK37.5 476K100R03L4 TRAY |
| 56  | R06 | 21.0 | 38.0 | 41.0 | 2 | MMK37.5 566K100R06L4 TRAY |
| 68  | R08 | 28.0 | 43.0 | 41.0 | 2 | MMK37.5 686K100R08L4 TRAY |
| 82  | R08 | 28.0 | 43.0 | 41.0 | 2 | MMK37.5 826K100R08L4 TRAY |
| 100 | R08 | 28.0 | 43.0 | 41.0 | 2 | MMK37.5 107K100R08L4 TRAY |

## 250 VDC/160 VAC

## LEAD SPACING 5 MM

|        |     |     |      |     |    |                        |
|--------|-----|-----|------|-----|----|------------------------|
| 0.0010 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 102K250J01L4 BULK |
| 0.0012 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 122K250J01L4 BULK |
| 0.0015 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 152K250J01L4 BULK |
| 0.0018 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 182K250J01L4 BULK |
| 0.0022 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 222K250J01L4 BULK |
| 0.0027 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 272K250J01L4 BULK |
| 0.0033 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 332K250J01L4 BULK |
| 0.0039 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 392K250J01L4 BULK |
| 0.0047 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 472K250J01L4 BULK |
| 0.0056 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 562K250J01L4 BULK |
| 0.0068 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 682K250J01L4 BULK |
| 0.0082 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 822K250J01L4 BULK |
| 0.010  | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 103K250J01L4 BULK |
| 0.012  | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 123K250J01L4 BULK |
| 0.015  | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 153K250J01L4 BULK |
| 0.018  | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 183K250J01L4 BULK |
| 0.022  | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 223K250J01L4 BULK |
| 0.027  | J02 | 3.5 | 8.0  | 7.2 | 40 | MMK5 273K250J02L4 BULK |
| 0.033  | J02 | 3.5 | 8.0  | 7.2 | 40 | MMK5 333K250J02L4 BULK |
| 0.039  | J02 | 3.5 | 8.0  | 7.2 | 40 | MMK5 393K250J02L4 BULK |
| 0.047  | J02 | 3.5 | 8.0  | 7.2 | 40 | MMK5 473K250J02L4 BULK |
| 0.056  | J02 | 3.5 | 8.0  | 7.2 | 40 | MMK5 563K250J02L4 BULK |
| 0.068  | J02 | 3.5 | 8.0  | 7.2 | 40 | MMK5 683K250J02L4 BULK |
| 0.082  | J03 | 4.5 | 9.0  | 7.2 | 40 | MMK5 823K250J03L4 BULK |
| 0.10   | J03 | 4.5 | 9.0  | 7.2 | 40 | MMK5 104K250J03L4 BULK |
| 0.12   | J04 | 5.0 | 10.0 | 7.2 | 40 | MMK5 124K250J04L4 BULK |
| 0.15   | J04 | 5.0 | 10.0 | 7.2 | 40 | MMK5 154K250J04L4 BULK |
| 0.18   | J05 | 6.0 | 11.0 | 7.2 | 40 | MMK5 184K250J05L4 BULK |
| 0.22   | J05 | 6.0 | 11.0 | 7.2 | 40 | MMK5 224K250J05L4 BULK |

## LEAD SPACING 7.5 MM

|        |     |     |     |      |    |                          |
|--------|-----|-----|-----|------|----|--------------------------|
| 0.0010 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 102K250K00L4 BULK |
| 0.0012 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 122K250K00L4 BULK |
| 0.0015 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 152K250K00L4 BULK |
| 0.0018 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 182K250K00L4 BULK |
| 0.0022 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 222K250K00L4 BULK |
| 0.0027 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 272K250K00L4 BULK |
| 0.0033 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 332K250K00L4 BULK |
| 0.0039 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 392K250K00L4 BULK |
| 0.0047 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 472K250K00L4 BULK |
| 0.0056 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 562K250K00L4 BULK |
| 0.0068 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 682K250K00L4 BULK |
| 0.0082 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 822K250K00L4 BULK |
| 0.010  | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 103K250K00L4 BULK |

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 250 VDC/160 VAC

## LEAD SPACING 7.5 MM

|       |     |     |      |      |    |                          |
|-------|-----|-----|------|------|----|--------------------------|
| 0.012 | K00 | 2.5 | 6.0  | 10.0 | 30 | MMK7.5 123K250K00L4 BULK |
| 0.015 | K00 | 2.5 | 6.0  | 10.0 | 30 | MMK7.5 153K250K00L4 BULK |
| 0.018 | K00 | 2.5 | 6.0  | 10.0 | 30 | MMK7.5 183K250K00L4 BULK |
| 0.022 | K00 | 2.5 | 6.0  | 10.0 | 30 | MMK7.5 223K250K00L4 BULK |
| 0.027 | K00 | 2.5 | 6.0  | 10.0 | 30 | MMK7.5 273K250K00L4 BULK |
| 0.033 | K00 | 2.5 | 6.0  | 10.0 | 30 | MMK7.5 333K250K00L4 BULK |
| 0.039 | K01 | 4.0 | 8.0  | 10.0 | 30 | MMK7.5 393K250K01L4 BULK |
| 0.047 | K01 | 4.0 | 8.0  | 10.0 | 30 | MMK7.5 473K250K01L4 BULK |
| 0.056 | K01 | 4.0 | 8.0  | 10.0 | 30 | MMK7.5 563K250K01L4 BULK |
| 0.068 | K01 | 4.0 | 8.0  | 10.0 | 30 | MMK7.5 683K250K01L4 BULK |
| 0.082 | K01 | 4.0 | 8.0  | 10.0 | 30 | MMK7.5 823K250K01L4 BULK |
| 0.10  | K01 | 4.0 | 8.0  | 10.0 | 30 | MMK7.5 104K250K01L4 BULK |
| 0.12  | K03 | 5.0 | 11.0 | 10.0 | 30 | MMK7.5 124K250K03L4 BULK |
| 0.15  | K03 | 5.0 | 11.0 | 10.0 | 30 | MMK7.5 154K250K03L4 BULK |
| 0.18  | K03 | 5.0 | 11.0 | 10.0 | 30 | MMK7.5 184K250K03L4 BULK |
| 0.22  | K03 | 5.0 | 11.0 | 10.0 | 30 | MMK7.5 224K250K03L4 BULK |
| 0.27  | K04 | 6.0 | 12.0 | 10.5 | 30 | MMK7.5 274K250K04L4 BULK |
| 0.33  | K04 | 6.0 | 12.0 | 10.5 | 30 | MMK7.5 334K250K04L4 BULK |

## LEAD SPACING 10 MM

|        |     |     |      |      |    |                         |
|--------|-----|-----|------|------|----|-------------------------|
| 0.0010 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 102K250A01L4 BULK |
| 0.0012 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 122K250A01L4 BULK |
| 0.0015 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 152K250A01L4 BULK |
| 0.0018 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 182K250A01L4 BULK |
| 0.0022 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 222K250A01L4 BULK |
| 0.0027 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 272K250A01L4 BULK |
| 0.0033 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 332K250A01L4 BULK |
| 0.0039 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 392K250A01L4 BULK |
| 0.0047 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 472K250A01L4 BULK |
| 0.0056 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 562K250A01L4 BULK |
| 0.0068 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 682K250A01L4 BULK |
| 0.0082 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 822K250A01L4 BULK |
| 0.010  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 103K250A01L4 BULK |
| 0.012  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 123K250A01L4 BULK |
| 0.015  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 153K250A01L4 BULK |
| 0.018  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 183K250A01L4 BULK |
| 0.022  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 223K250A01L4 BULK |
| 0.027  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 273K250A01L4 BULK |
| 0.033  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 333K250A01L4 BULK |
| 0.039  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 393K250A01L4 BULK |
| 0.047  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 473K250A01L4 BULK |
| 0.056  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 563K250A01L4 BULK |
| 0.068  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 683K250A01L4 BULK |
| 0.082  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 823K250A01L4 BULK |
| 0.10   | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 104K250A01L4 BULK |
| 0.12   | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 124K250A01L4 BULK |
| 0.15   | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 154K250A01L4 BULK |
| 0.18   | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 184K250A01L4 BULK |
| 0.22   | A02 | 4.5 | 10.5 | 13.0 | 20 | MMK10 224K250A02L4 BULK |
| 0.27   | A03 | 5.0 | 11.0 | 13.0 | 20 | MMK10 274K250A03L4 BULK |
| 0.33   | A04 | 6.0 | 12.0 | 13.0 | 20 | MMK10 334K250A04L4 BULK |
| 0.39   | A04 | 6.0 | 12.0 | 13.0 | 20 | MMK10 394K250A04L4 BULK |

## LEAD SPACING 15 MM

|       |     |     |      |      |    |                         |
|-------|-----|-----|------|------|----|-------------------------|
| 0.082 | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 823K250B04L4 BULK |
| 0.10  | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 104K250B04L4 BULK |
| 0.12  | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 124K250B04L4 BULK |
| 0.15  | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 154K250B04L4 BULK |
| 0.18  | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 184K250B04L4 BULK |
| 0.22  | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 224K250B04L4 BULK |
| 0.27  | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 274K250B04L4 BULK |

Updated since the latest printed catalogue

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 250 VDC/160 VA

## LEAD SPACING 15 MM

|      |     |     |      |      |    |                         |
|------|-----|-----|------|------|----|-------------------------|
| 0.33 | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 334K250B04L4 BULK |
| 0.39 | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 394K250B04L4 BULK |
| 0.47 | B05 | 5.5 | 12.5 | 18.0 | 12 | MMK15 474K250B05L4 BULK |
| 0.56 | B10 | 6.5 | 12.5 | 18.0 | 12 | MMK15 564K250B10L4 BULK |
| 0.68 | B10 | 6.5 | 12.5 | 18.0 | 12 | MMK15 684K250B10L4 BULK |
| 0.82 | B06 | 7.5 | 14.5 | 18.0 | 12 | MMK15 824K250B06L4 BULK |
| 1.0  | B06 | 7.5 | 14.5 | 18.0 | 12 | MMK15 105K250B06L4 BULK |
| 1.2  | B12 | 8.0 | 15.0 | 18.0 | 12 | MMK15 125K250B12L4 BULK |
| 1.5  | B14 | 9.5 | 17.5 | 18.0 | 12 | MMK15 155K250B14L4 BULK |
| 1.8  | B14 | 9.5 | 17.5 | 18.0 | 12 | MMK15 185K250B14L4 BULK |

## LEAD SPACING 22.5 MM

|      |     |      |      |      |   |                           |
|------|-----|------|------|------|---|---------------------------|
| 0.47 | D13 | 6.5  | 14.5 | 26.0 | 8 | MMK22.5 474K250D13L4 TRAY |
| 0.56 | D13 | 6.5  | 14.5 | 26.0 | 8 | MMK22.5 564K250D13L4 TRAY |
| 0.68 | D13 | 6.5  | 14.5 | 26.0 | 8 | MMK22.5 684K250D13L4 TRAY |
| 0.82 | D13 | 6.5  | 14.5 | 26.0 | 8 | MMK22.5 824K250D13L4 TRAY |
| 1.0  | D13 | 6.5  | 14.5 | 26.0 | 8 | MMK22.5 105K250D13L4 TRAY |
| 1.2  | D17 | 7.0  | 16.5 | 26.0 | 8 | MMK22.5 125K250D17L4 TRAY |
| 1.5  | D14 | 8.0  | 16.0 | 26.0 | 8 | MMK22.5 155K250D14L4 TRAY |
| 1.8  | D15 | 9.0  | 18.5 | 26.0 | 8 | MMK22.5 185K250D15L4 TRAY |
| 2.0  | D15 | 9.0  | 18.5 | 26.0 | 8 | MMK22.5 205K250D15L4 TRAY |
| 2.2  | D15 | 9.0  | 18.5 | 26.0 | 8 | MMK22.5 225K250D15L4 TRAY |
| 2.7  | D18 | 10.5 | 19.0 | 26.0 | 8 | MMK22.5 275K250D18L4 TRAY |
| 3.3  | D16 | 11.0 | 21.5 | 26.0 | 8 | MMK22.5 335K250D16L4 TRAY |
| 3.9  | D20 | 13.5 | 23.0 | 26.0 | 8 | MMK22.5 395K250D20L4 TRAY |
| 4.7  | D19 | 15.5 | 24.5 | 26.0 | 8 | MMK22.5 475K250D19L4 TRAY |
| 5.6  | D19 | 15.5 | 24.5 | 26.0 | 8 | MMK22.5 565K250D19L4 TRAY |

## LEAD SPACING 27.5 MM

|     |     |      |      |      |   |                           |
|-----|-----|------|------|------|---|---------------------------|
| 1.5 | F11 | 10.5 | 20.5 | 31.5 | 5 | MMK27.5 155K250F11L4 TRAY |
| 1.8 | F11 | 10.5 | 20.5 | 31.5 | 5 | MMK27.5 185K250F11L4 TRAY |
| 2.0 | F11 | 10.5 | 20.5 | 31.5 | 5 | MMK27.5 205K250F11L4 TRAY |
| 2.2 | F11 | 10.5 | 20.5 | 31.5 | 5 | MMK27.5 225K250F11L4 TRAY |
| 2.5 | F11 | 10.5 | 20.5 | 31.5 | 5 | MMK27.5 255K250F11L4 TRAY |
| 2.7 | F11 | 10.5 | 20.5 | 31.5 | 5 | MMK27.5 275K250F11L4 TRAY |
| 3.3 | F11 | 10.5 | 20.5 | 31.5 | 5 | MMK27.5 335K250F11L4 TRAY |
| 3.3 | F17 | 21.0 | 12.5 | 31.5 | 5 | MMK27.5 335K250F17L4 TRAY |
| 3.9 | F12 | 11.5 | 22.5 | 31.5 | 5 | MMK27.5 395K250F12L4 TRAY |
| 4.7 | F03 | 13.5 | 23.0 | 31.5 | 5 | MMK27.5 475K250F03L4 TRAY |
| 5.6 | F13 | 14.5 | 24.5 | 31.5 | 5 | MMK27.5 565K250F13L4 TRAY |
| 6.8 | F14 | 17.5 | 28.0 | 31.5 | 5 | MMK27.5 685K250F14L4 TRAY |
| 8.2 | F14 | 17.5 | 28.0 | 31.5 | 5 | MMK27.5 825K250F14L4 TRAY |
| 8.2 | F19 | 27.5 | 16.0 | 31.5 | 5 | MMK27.5 825K250F19L4 TRAY |
| 10  | F16 | 21.0 | 30.0 | 31.5 | 5 | MMK27.5 106K250F16L4 TRAY |
| 10  | F18 | 31.0 | 19.0 | 31.5 | 5 | MMK27.5 106K250F18L4 TRAY |

## LEAD SPACING 37.5 MM

|     |     |      |      |      |   |                           |
|-----|-----|------|------|------|---|---------------------------|
| 4.7 | R05 | 13.0 | 24.0 | 41.0 | 3 | MMK37.5 475K250R05L4 TRAY |
| 5.6 | R05 | 13.0 | 24.0 | 41.0 | 3 | MMK37.5 565K250R05L4 TRAY |
| 6.8 | R05 | 13.0 | 24.0 | 41.0 | 3 | MMK37.5 685K250R05L4 TRAY |
| 8.2 | R04 | 15.0 | 26.0 | 41.0 | 3 | MMK37.5 825K250R04L4 TRAY |
| 10  | R04 | 15.0 | 26.0 | 41.0 | 3 | MMK37.5 106K250R04L4 TRAY |
| 12  | R02 | 16.5 | 32.0 | 41.0 | 3 | MMK37.5 126K250R02L4 TRAY |
| 15  | R02 | 16.5 | 32.0 | 41.0 | 3 | MMK37.5 156K250R02L4 TRAY |
| 18  | R03 | 19.0 | 36.0 | 41.0 | 3 | MMK37.5 186K250R03L4 TRAY |
| 22  | R06 | 21.0 | 38.0 | 41.0 | 3 | MMK37.5 226K250R06L4 TRAY |
| 27  | R08 | 28.0 | 43.0 | 41.0 | 3 | MMK37.5 276K250R08L4 TRAY |
| 33  | R08 | 28.0 | 43.0 | 41.0 | 3 | MMK37.5 336K250R08L4 TRAY |
| 39  | R08 | 28.0 | 43.0 | 41.0 | 3 | MMK37.5 396K250R08L4 TRAY |

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 400 VDC/200 VAC

## LEAD SPACING 5 MM

|        |     |     |      |     |    |                        |
|--------|-----|-----|------|-----|----|------------------------|
| 0.0010 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 102K400J01L4 BULK |
| 0.0012 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 122K400J01L4 BULK |
| 0.0015 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 152K400J01L4 BULK |
| 0.0018 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 182K400J01L4 BULK |
| 0.0022 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 222K400J01L4 BULK |
| 0.0027 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 272K400J01L4 BULK |
| 0.0033 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 332K400J01L4 BULK |
| 0.0039 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 392K400J01L4 BULK |
| 0.0047 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 472K400J01L4 BULK |
| 0.0056 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 562K400J01L4 BULK |
| 0.0068 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 682K400J01L4 BULK |
| 0.0082 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 822K400J01L4 BULK |
| 0.010  | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 103K400J01L4 BULK |
| 0.012  | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 123K400J01L4 BULK |
| 0.015  | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 153K400J01L4 BULK |
| 0.018  | J02 | 3.5 | 8.0  | 7.2 | 50 | MMK5 183K400J02L4 BULK |
| 0.022  | J02 | 3.5 | 8.0  | 7.2 | 50 | MMK5 223K400J02L4 BULK |
| 0.027  | J03 | 4.5 | 9.0  | 7.2 | 50 | MMK5 273K400J03L4 BULK |
| 0.033  | J03 | 4.5 | 9.0  | 7.2 | 50 | MMK5 333K400J03L4 BULK |
| 0.039  | J03 | 4.5 | 9.0  | 7.2 | 50 | MMK5 393K400J03L4 BULK |
| 0.047  | J03 | 4.5 | 9.0  | 7.2 | 50 | MMK5 473K400J03L4 BULK |
| 0.056  | J05 | 6.0 | 11.0 | 7.2 | 50 | MMK5 563K400J05L4 BULK |
| 0.068  | J05 | 6.0 | 11.0 | 7.2 | 50 | MMK5 683K400J05L4 BULK |
| 0.082  | J06 | 7.2 | 13.0 | 7.2 | 50 | MMK5 823K400J06L4 BULK |
| 0.10   | J06 | 7.2 | 13.0 | 7.2 | 50 | MMK5 104K400J06L4 BULK |
| 0.12   | J06 | 7.2 | 13.0 | 7.2 | 50 | MMK5 124K400J06L4 BULK |

## LEAD SPACING 7.5 MM

|        |     |     |      |      |    |                          |
|--------|-----|-----|------|------|----|--------------------------|
| 0.0010 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 102K400K00L4 BULK |
| 0.0012 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 122K400K00L4 BULK |
| 0.0015 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 152K400K00L4 BULK |
| 0.0018 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 182K400K00L4 BULK |
| 0.0022 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 222K400K00L4 BULK |
| 0.0027 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 272K400K00L4 BULK |
| 0.0033 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 332K400K00L4 BULK |
| 0.0039 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 392K400K00L4 BULK |
| 0.0047 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 472K400K00L4 BULK |
| 0.0056 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 562K400K00L4 BULK |
| 0.0068 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 682K400K00L4 BULK |
| 0.0082 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 822K400K00L4 BULK |
| 0.010  | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 103K400K00L4 BULK |
| 0.012  | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 123K400K00L4 BULK |
| 0.015  | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 153K400K00L4 BULK |
| 0.018  | K01 | 4.0 | 8.0  | 10.0 | 40 | MMK7.5 183K400K01L4 BULK |
| 0.022  | K01 | 4.0 | 8.0  | 10.0 | 40 | MMK7.5 223K400K01L4 BULK |
| 0.027  | K01 | 4.0 | 8.0  | 10.0 | 40 | MMK7.5 273K400K01L4 BULK |
| 0.033  | K01 | 4.0 | 8.0  | 10.0 | 40 | MMK7.5 333K400K01L4 BULK |
| 0.039  | K01 | 4.0 | 8.0  | 10.0 | 40 | MMK7.5 393K400K01L4 BULK |
| 0.047  | K03 | 5.0 | 11.0 | 10.0 | 40 | MMK7.5 473K400K03L4 BULK |
| 0.056  | K03 | 5.0 | 11.0 | 10.0 | 40 | MMK7.5 563K400K03L4 BULK |
| 0.068  | K03 | 5.0 | 11.0 | 10.0 | 40 | MMK7.5 683K400K03L4 BULK |
| 0.082  | K03 | 5.0 | 11.0 | 10.0 | 40 | MMK7.5 823K400K03L4 BULK |
| 0.10   | K03 | 5.0 | 11.0 | 10.0 | 40 | MMK7.5 104K400K03L4 BULK |
| 0.12   | K04 | 6.0 | 12.0 | 10.5 | 40 | MMK7.5 124K400K04L4 BULK |
| 0.15   | K04 | 6.0 | 12.0 | 10.5 | 40 | MMK7.5 154K400K04L4 BULK |

## LEAD SPACING 10 MM

|        |     |     |     |      |    |                         |
|--------|-----|-----|-----|------|----|-------------------------|
| 0.0010 | A01 | 4.0 | 9.0 | 13.0 | 30 | MMK10 102K400A01L4 BULK |
| 0.0012 | A01 | 4.0 | 9.0 | 13.0 | 30 | MMK10 122K400A01L4 BULK |
| 0.0015 | A01 | 4.0 | 9.0 | 13.0 | 30 | MMK10 152K400A01L4 BULK |

Updated since the latest printed catalogue

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 400 VDC/200 VAC

## 400 VDC/200 VAC

## LEAD SPACING 10 MM

## LEAD SPACING 27.5 MM

|        |     |     |      |      |    |                         |
|--------|-----|-----|------|------|----|-------------------------|
| 0.0018 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 182K400A01L4 BULK |
| 0.0022 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 222K400A01L4 BULK |
| 0.0027 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 272K400A01L4 BULK |
| 0.0033 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 332K400A01L4 BULK |
| 0.0039 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 392K400A01L4 BULK |
| 0.0047 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 472K400A01L4 BULK |
| 0.0056 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 562K400A01L4 BULK |
| 0.0068 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 682K400A01L4 BULK |
| 0.0078 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 782K400A01L4 BULK |
| 0.0082 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 822K400A01L4 BULK |
| 0.010  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 103K400A01L4 BULK |
| 0.012  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 123K400A01L4 BULK |
| 0.015  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 153K400A01L4 BULK |
| 0.018  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 183K400A01L4 BULK |
| 0.022  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 223K400A01L4 BULK |
| 0.027  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 273K400A01L4 BULK |
| 0.033  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 333K400A01L4 BULK |
| 0.039  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 393K400A01L4 BULK |
| 0.047  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 473K400A01L4 BULK |
| 0.056  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 563K400A01L4 BULK |
| 0.068  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 683K400A01L4 BULK |
| 0.082  | A02 | 4.5 | 10.5 | 13.0 | 30 | MMK10 823K400A02L4 BULK |
| 0.10   | A03 | 5.0 | 11.0 | 13.0 | 30 | MMK10 104K400A03L4 BULK |
| 0.12   | A03 | 5.0 | 11.0 | 13.0 | 30 | MMK10 124K400A03L4 BULK |
| 0.15   | A04 | 6.0 | 12.0 | 13.0 | 30 | MMK10 154K400A04L4 BULK |

## LEAD SPACING 15 MM

|       |     |     |      |      |    |                         |
|-------|-----|-----|------|------|----|-------------------------|
| 0.047 | B04 | 5.5 | 10.5 | 18.0 | 20 | MMK15 473K400B04L4 BULK |
| 0.056 | B04 | 5.5 | 10.5 | 18.0 | 20 | MMK15 563K400B04L4 BULK |
| 0.068 | B04 | 5.5 | 10.5 | 18.0 | 20 | MMK15 683K400B04L4 BULK |
| 0.082 | B04 | 5.5 | 10.5 | 18.0 | 20 | MMK15 823K400B04L4 BULK |
| 0.10  | B04 | 5.5 | 10.5 | 18.0 | 20 | MMK15 104K400B04L4 BULK |
| 0.12  | B04 | 5.5 | 10.5 | 18.0 | 20 | MMK15 124K400B04L4 BULK |
| 0.15  | B04 | 5.5 | 10.5 | 18.0 | 20 | MMK15 154K400B04L4 BULK |
| 0.18  | B05 | 5.5 | 12.5 | 18.0 | 20 | MMK15 184K400B05L4 BULK |
| 0.22  | B05 | 5.5 | 12.5 | 18.0 | 20 | MMK15 224K400B05L4 BULK |
| 0.27  | B10 | 6.5 | 12.5 | 18.0 | 20 | MMK15 274K400B10L4 BULK |
| 0.33  | B06 | 7.5 | 14.5 | 18.0 | 20 | MMK15 334K400B06L4 BULK |
| 0.39  | B06 | 7.5 | 14.5 | 18.0 | 20 | MMK15 394K400B06L4 BULK |
| 0.47  | B11 | 8.5 | 16.0 | 18.0 | 20 | MMK15 474K400B11L4 BULK |
| 0.56  | B11 | 8.5 | 16.0 | 18.0 | 20 | MMK15 564K400B11L4 BULK |
| 0.68  | B14 | 9.5 | 17.5 | 18.0 | 20 | MMK15 684K400B14L4 BULK |

## LEAD SPACING 22.5 MM

|      |     |      |      |      |    |                           |
|------|-----|------|------|------|----|---------------------------|
| 0.18 | D13 | 6.5  | 14.5 | 26.0 | 10 | MMK22.5 184K400D13L4 TRAY |
| 0.22 | D13 | 6.5  | 14.5 | 26.0 | 10 | MMK22.5 224K400D13L4 TRAY |
| 0.27 | D13 | 6.5  | 14.5 | 26.0 | 10 | MMK22.5 274K400D13L4 TRAY |
| 0.33 | D13 | 6.5  | 14.5 | 26.0 | 10 | MMK22.5 334K400D13L4 TRAY |
| 0.39 | D13 | 6.5  | 14.5 | 26.0 | 10 | MMK22.5 394K400D13L4 TRAY |
| 0.47 | D13 | 6.5  | 14.5 | 26.0 | 10 | MMK22.5 474K400D13L4 TRAY |
| 0.56 | D17 | 7.0  | 16.5 | 26.0 | 10 | MMK22.5 564K400D17L4 TRAY |
| 0.68 | D14 | 8.0  | 16.0 | 26.0 | 10 | MMK22.5 684K400D14L4 TRAY |
| 0.82 | D15 | 9.0  | 18.5 | 26.0 | 10 | MMK22.5 824K400D15L4 TRAY |
| 1.0  | D15 | 9.0  | 18.5 | 26.0 | 10 | MMK22.5 105K400D15L4 TRAY |
| 1.2  | D18 | 10.5 | 19.0 | 26.0 | 10 | MMK22.5 125K400D18L4 TRAY |
| 1.5  | D16 | 11.0 | 21.5 | 26.0 | 10 | MMK22.5 155K400D16L4 TRAY |
| 1.8  | D20 | 13.5 | 23.0 | 26.0 | 10 | MMK22.5 185K400D20L4 TRAY |
| 2.2  | D19 | 15.5 | 24.5 | 26.0 | 10 | MMK22.5 225K400D19L4 TRAY |
| 2.7  | D19 | 15.5 | 24.5 | 26.0 | 10 | MMK22.5 275K400D19L4 TRAY |

|      |     |      |      |      |   |                           |
|------|-----|------|------|------|---|---------------------------|
| 0.68 | F11 | 10.5 | 20.5 | 31.5 | 8 | MMK27.5 684K400F11L4 TRAY |
| 0.82 | F11 | 10.5 | 20.5 | 31.5 | 8 | MMK27.5 824K400F11L4 TRAY |
| 1.0  | F11 | 10.5 | 20.5 | 31.5 | 8 | MMK27.5 105K400F11L4 TRAY |
| 1.2  | F11 | 10.5 | 20.5 | 31.5 | 8 | MMK27.5 125K400F11L4 TRAY |
| 1.5  | F11 | 10.5 | 20.5 | 31.5 | 8 | MMK27.5 155K400F11L4 TRAY |
| 1.8  | F11 | 10.5 | 20.5 | 31.5 | 8 | MMK27.5 185K400F11L4 TRAY |
| 1.8  | F17 | 21.0 | 12.5 | 31.5 | 8 | MMK27.5 185K400F17L4 TRAY |
| 2.2  | F12 | 11.5 | 22.5 | 31.5 | 8 | MMK27.5 225K400F12L4 TRAY |
| 2.7  | F03 | 13.5 | 23.0 | 31.5 | 8 | MMK27.5 275K400F03L4 TRAY |
| 3.3  | F14 | 17.5 | 28.0 | 31.5 | 8 | MMK27.5 335K400F14L4 TRAY |
| 3.9  | F14 | 17.5 | 28.0 | 31.5 | 8 | MMK27.5 395K400F14L4 TRAY |
| 3.9  | F19 | 27.5 | 16.0 | 31.5 | 8 | MMK27.5 395K400F19L4 TRAY |
| 4.7  | F15 | 19.0 | 29.0 | 31.5 | 8 | MMK27.5 475K400F15L4 TRAY |
| 5.6  | F16 | 21.0 | 30.0 | 31.5 | 8 | MMK27.5 565K400F16L4 TRAY |
| 5.6  | F18 | 31.0 | 19.0 | 31.5 | 8 | MMK27.5 565K400F18L4 TRAY |

## LEAD SPACING 37.5 MM

|     |     |      |      |      |   |                           |
|-----|-----|------|------|------|---|---------------------------|
| 1.8 | R05 | 13.0 | 24.0 | 41.0 | 5 | MMK37.5 185K400R05L4 TRAY |
| 2.2 | R05 | 13.0 | 24.0 | 41.0 | 5 | MMK37.5 225K400R05L4 TRAY |
| 2.7 | R05 | 13.0 | 24.0 | 41.0 | 5 | MMK37.5 275K400R05L4 TRAY |
| 3.3 | R05 | 13.0 | 24.0 | 41.0 | 5 | MMK37.5 335K400R05L4 TRAY |
| 3.9 | R04 | 15.0 | 26.0 | 41.0 | 5 | MMK37.5 395K400R04L4 TRAY |
| 4.7 | R04 | 15.0 | 26.0 | 41.0 | 5 | MMK37.5 475K400R04L4 TRAY |
| 5.6 | R02 | 16.5 | 32.0 | 41.0 | 5 | MMK37.5 565K400R02L4 TRAY |
| 6.8 | R03 | 19.0 | 36.0 | 41.0 | 5 | MMK37.5 685K400R03L4 TRAY |
| 8.2 | R03 | 19.0 | 36.0 | 41.0 | 5 | MMK37.5 825K400R03L4 TRAY |
| 10  | R06 | 21.0 | 38.0 | 41.0 | 5 | MMK37.5 106K400R06L4 TRAY |
| 12  | R08 | 28.0 | 43.0 | 41.0 | 5 | MMK37.5 126K400R08L4 TRAY |
| 15  | R08 | 28.0 | 43.0 | 41.0 | 5 | MMK37.5 156K400R08L4 TRAY |
| 18  | R08 | 28.0 | 43.0 | 41.0 | 5 | MMK37.5 186K400R08L4 TRAY |

## 630 VDC/220 VAC

## LEAD SPACING 5 MM

|        |     |     |      |     |    |                        |
|--------|-----|-----|------|-----|----|------------------------|
| 0.0010 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 102K630J01L4 BULK |
| 0.0012 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 122K630J01L4 BULK |
| 0.0015 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 152K630J01L4 BULK |
| 0.0018 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 182K630J01L4 BULK |
| 0.0022 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 222K630J01L4 BULK |
| 0.0027 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 272K630J01L4 BULK |
| 0.0033 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 332K630J01L4 BULK |
| 0.0039 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 392K630J01L4 BULK |
| 0.0047 | J02 | 3.5 | 8.0  | 7.2 | 80 | MMK5 472K630J02L4 BULK |
| 0.0056 | J02 | 3.5 | 8.0  | 7.2 | 80 | MMK5 562K630J02L4 BULK |
| 0.0068 | J02 | 3.5 | 8.0  | 7.2 | 80 | MMK5 682K630J02L4 BULK |
| 0.0082 | J02 | 3.5 | 8.0  | 7.2 | 80 | MMK5 822K630J02L4 BULK |
| 0.010  | J02 | 3.5 | 8.0  | 7.2 | 80 | MMK5 103K630J02L4 BULK |
| 0.012  | J03 | 4.5 | 9.0  | 7.2 | 80 | MMK5 123K630J03L4 BULK |
| 0.015  | J03 | 4.5 | 9.0  | 7.2 | 80 | MMK5 153K630J03L4 BULK |
| 0.018  | J03 | 4.5 | 9.0  | 7.2 | 80 | MMK5 183K630J03L4 BULK |
| 0.022  | J04 | 5.0 | 10.0 | 7.2 | 80 | MMK5 223K630J04L4 BULK |
| 0.027  | J05 | 6.0 | 11.0 | 7.2 | 80 | MMK5 273K630J05L4 BULK |
| 0.033  | J05 | 6.0 | 11.0 | 7.2 | 80 | MMK5 333K630J05L4 BULK |
| 0.039  | J06 | 7.2 | 13.0 | 7.2 | 80 | MMK5 393K630J06L4 BULK |
| 0.047  | J06 | 7.2 | 13.0 | 7.2 | 80 | MMK5 473K630J06L4 BULK |

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 630 VDC/220 VAC

## LEAD SPACING 7.5 MM

|        |     |     |      |      |    |                          |
|--------|-----|-----|------|------|----|--------------------------|
| 0.0010 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 102K630K00L4 BULK |
| 0.0012 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 122K630K00L4 BULK |
| 0.0015 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 152K630K00L4 BULK |
| 0.0018 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 182K630K00L4 BULK |
| 0.0022 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 222K630K00L4 BULK |
| 0.0027 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 272K630K00L4 BULK |
| 0.0033 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 332K630K00L4 BULK |
| 0.0039 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 392K630K00L4 BULK |
| 0.0047 | K01 | 4.0 | 8.0  | 10.0 | 60 | MMK7.5 472K630K01L4 BULK |
| 0.0056 | K01 | 4.0 | 8.0  | 10.0 | 60 | MMK7.5 562K630K01L4 BULK |
| 0.0068 | K01 | 4.0 | 8.0  | 10.0 | 60 | MMK7.5 682K630K01L4 BULK |
| 0.0082 | K01 | 4.0 | 8.0  | 10.0 | 60 | MMK7.5 822K630K01L4 BULK |
| 0.010  | K01 | 4.0 | 8.0  | 10.0 | 60 | MMK7.5 103K630K01L4 BULK |
| 0.012  | K01 | 4.0 | 8.0  | 10.0 | 60 | MMK7.5 123K630K01L4 BULK |
| 0.015  | K03 | 5.0 | 11.0 | 10.0 | 60 | MMK7.5 153K630K03L4 BULK |
| 0.018  | K03 | 5.0 | 11.0 | 10.0 | 60 | MMK7.5 183K630K03L4 BULK |
| 0.022  | K03 | 5.0 | 11.0 | 10.0 | 60 | MMK7.5 223K630K03L4 BULK |
| 0.027  | K03 | 5.0 | 11.0 | 10.0 | 60 | MMK7.5 273K630K03L4 BULK |
| 0.033  | K04 | 6.0 | 12.0 | 10.5 | 60 | MMK7.5 333K630K04L4 BULK |
| 0.039  | K04 | 6.0 | 12.0 | 10.5 | 60 | MMK7.5 393K630K04L4 BULK |

## LEAD SPACING 10 MM

|        |     |     |      |      |    |                         |
|--------|-----|-----|------|------|----|-------------------------|
| 0.0010 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 102K630A01L4 BULK |
| 0.0012 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 122K630A01L4 BULK |
| 0.0015 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 152K630A01L4 BULK |
| 0.0018 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 182K630A01L4 BULK |
| 0.0022 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 222K630A01L4 BULK |
| 0.0027 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 272K630A01L4 BULK |
| 0.0033 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 332K630A01L4 BULK |
| 0.0039 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 392K630A01L4 BULK |
| 0.0047 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 472K630A01L4 BULK |
| 0.0056 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 562K630A01L4 BULK |
| 0.0068 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 682K630A01L4 BULK |
| 0.0078 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 782K630A01L4 BULK |
| 0.0082 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 822K630A01L4 BULK |
| 0.010  | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 103K630A01L4 BULK |
| 0.012  | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 123K630A01L4 BULK |
| 0.015  | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 153K630A01L4 BULK |
| 0.018  | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 183K630A01L4 BULK |
| 0.022  | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 223K630A01L4 BULK |
| 0.027  | A02 | 4.5 | 10.5 | 13.0 | 40 | MMK10 273K630A02L4 BULK |
| 0.033  | A02 | 4.5 | 10.5 | 13.0 | 40 | MMK10 333K630A02L4 BULK |
| 0.039  | A03 | 5.0 | 11.0 | 13.0 | 40 | MMK10 393K630A03L4 BULK |
| 0.047  | A04 | 6.0 | 12.0 | 13.0 | 40 | MMK10 473K630A04L4 BULK |
| 0.056  | A04 | 6.0 | 12.0 | 13.0 | 40 | MMK10 563K630A04L4 BULK |

## LEAD SPACING 15 MM

|       |     |     |      |      |    |                         |
|-------|-----|-----|------|------|----|-------------------------|
| 0.027 | B04 | 5.5 | 10.5 | 18.0 | 25 | MMK15 273K630B04L4 BULK |
| 0.033 | B04 | 5.5 | 10.5 | 18.0 | 25 | MMK15 333K630B04L4 BULK |
| 0.039 | B04 | 5.5 | 10.5 | 18.0 | 25 | MMK15 393K630B04L4 BULK |
| 0.047 | B04 | 5.5 | 10.5 | 18.0 | 25 | MMK15 473K630B04L4 BULK |
| 0.056 | B04 | 5.5 | 10.5 | 18.0 | 25 | MMK15 563K630B04L4 BULK |
| 0.068 | B05 | 5.5 | 12.5 | 18.0 | 25 | MMK15 683K630B05L4 BULK |
| 0.082 | B10 | 6.5 | 12.5 | 18.0 | 25 | MMK15 823K630B10L4 BULK |
| 0.10  | B10 | 6.5 | 12.5 | 18.0 | 25 | MMK15 104K630B10L4 BULK |
| 0.12  | B06 | 7.5 | 14.5 | 18.0 | 25 | MMK15 124K630B06L4 BULK |

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 630 VDC/220 VAC

## LEAD SPACING 15 MM

|      |     |     |      |      |    |                         |
|------|-----|-----|------|------|----|-------------------------|
| 0.15 | B06 | 7.5 | 14.5 | 18.0 | 25 | MMK15 154K630B06L4 BULK |
| 0.18 | B12 | 8.0 | 15.0 | 18.0 | 25 | MMK15 184K630B12L4 BULK |
| 0.22 | B14 | 9.5 | 17.5 | 18.0 | 25 | MMK15 224K630B14L4 BULK |

## LEAD SPACING 22.5 MM

|       |     |      |      |      |    |                           |
|-------|-----|------|------|------|----|---------------------------|
| 0.082 | D13 | 6.5  | 14.5 | 26.0 | 12 | MMK22.5 823K630D13L4 TRAY |
| 0.10  | D13 | 6.5  | 14.5 | 26.0 | 12 | MMK22.5 104K630D13L4 TRAY |
| 0.12  | D13 | 6.5  | 14.5 | 26.0 | 12 | MMK22.5 124K630D13L4 TRAY |
| 0.15  | D13 | 6.5  | 14.5 | 26.0 | 12 | MMK22.5 154K630D13L4 TRAY |
| 0.18  | D17 | 7.0  | 16.5 | 26.0 | 12 | MMK22.5 184K630D17L4 TRAY |
| 0.22  | D17 | 7.0  | 16.5 | 26.0 | 12 | MMK22.5 224K630D17L4 TRAY |
| 0.27  | D14 | 8.0  | 16.0 | 26.0 | 12 | MMK22.5 274K630D14L4 TRAY |
| 0.33  | D15 | 9.0  | 18.5 | 26.0 | 12 | MMK22.5 334K630D15L4 TRAY |
| 0.39  | D18 | 10.5 | 19.0 | 26.0 | 12 | MMK22.5 394K630D18L4 TRAY |
| 0.47  | D16 | 11.0 | 21.5 | 26.0 | 12 | MMK22.5 474K630D16L4 TRAY |
| 0.56  | D20 | 13.5 | 23.0 | 26.0 | 12 | MMK22.5 564K630D20L4 TRAY |
| 0.68  | D20 | 13.5 | 23.0 | 26.0 | 12 | MMK22.5 684K630D20L4 TRAY |
| 0.82  | D19 | 15.5 | 24.5 | 26.0 | 12 | MMK22.5 824K630D19L4 TRAY |

## LEAD SPACING 27.5 MM

|      |     |      |      |      |    |                           |
|------|-----|------|------|------|----|---------------------------|
| 0.33 | F11 | 10.5 | 20.5 | 31.5 | 10 | MMK27.5 334K630F11L4 TRAY |
| 0.39 | F11 | 10.5 | 20.5 | 31.5 | 10 | MMK27.5 394K630F11L4 TRAY |
| 0.47 | F11 | 10.5 | 20.5 | 31.5 | 10 | MMK27.5 474K630F11L4 TRAY |
| 0.56 | F11 | 10.5 | 20.5 | 31.5 | 10 | MMK27.5 564K630F11L4 TRAY |
| 0.56 | F17 | 21.0 | 12.5 | 31.5 | 10 | MMK27.5 564K630F17L4 TRAY |
| 0.68 | F12 | 11.5 | 22.5 | 31.5 | 10 | MMK27.5 684K630F12L4 TRAY |
| 0.82 | F03 | 13.5 | 23.0 | 31.5 | 10 | MMK27.5 824K630F03L4 TRAY |
| 1.0  | F13 | 14.5 | 24.5 | 31.5 | 10 | MMK27.5 105K630F13L4 TRAY |
| 1.2  | F14 | 17.5 | 28.0 | 31.5 | 10 | MMK27.5 125K630F14L4 TRAY |
| 1.5  | F14 | 17.5 | 28.0 | 31.5 | 10 | MMK27.5 155K630F14L4 TRAY |
| 1.5  | F19 | 27.5 | 16.0 | 31.5 | 10 | MMK27.5 155K630F19L4 TRAY |
| 1.8  | F15 | 19.0 | 29.0 | 31.5 | 10 | MMK27.5 185K630F15L4 TRAY |
| 2.2  | F16 | 21.0 | 30.0 | 31.5 | 10 | MMK27.5 225K630F16L4 TRAY |
| 2.2  | F18 | 31.0 | 19.0 | 31.5 | 10 | MMK27.5 225K630F18L4 TRAY |

## LEAD SPACING 37.5 MM

|      |     |      |      |      |   |                           |
|------|-----|------|------|------|---|---------------------------|
| 0.82 | R05 | 13.0 | 24.0 | 41.0 | 8 | MMK37.5 824K630R05L4 TRAY |
| 1.0  | R05 | 13.0 | 24.0 | 41.0 | 8 | MMK37.5 105K630R05L4 TRAY |
| 1.2  | R05 | 13.0 | 24.0 | 41.0 | 8 | MMK37.5 125K630R05L4 TRAY |
| 1.5  | R04 | 15.0 | 26.0 | 41.0 | 8 | MMK37.5 155K630R04L4 TRAY |
| 1.8  | R04 | 15.0 | 26.0 | 41.0 | 8 | MMK37.5 185K630R04L4 TRAY |
| 2.2  | R02 | 16.5 | 32.0 | 41.0 | 8 | MMK37.5 225K630R02L4 TRAY |
| 2.7  | R03 | 19.0 | 36.0 | 41.0 | 8 | MMK37.5 275K630R03L4 TRAY |
| 3.3  | R03 | 19.0 | 36.0 | 41.0 | 8 | MMK37.5 335K630R03L4 TRAY |
| 3.9  | R06 | 21.0 | 38.0 | 41.0 | 8 | MMK37.5 395K630R06L4 TRAY |
| 4.7  | R06 | 21.0 | 38.0 | 41.0 | 8 | MMK37.5 475K630R06L4 TRAY |
| 5.6  | R08 | 28.0 | 43.0 | 41.0 | 8 | MMK37.5 565K630R08L4 TRAY |
| 6.8  | R08 | 28.0 | 43.0 | 41.0 | 8 | MMK37.5 685K630R08L4 TRAY |

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 1000 VDC/250 VAC

## LEAD SPACING 5 MM

|        |     |     |      |     |     |                         |
|--------|-----|-----|------|-----|-----|-------------------------|
| 0.0010 | J01 | 2.5 | 6.5  | 7.2 | 100 | MMK5 102K1000J01L4 BULK |
| 0.0012 | J02 | 3.5 | 8.0  | 7.2 | 100 | MMK5 122K1000J02L4 BULK |
| 0.0015 | J02 | 3.5 | 8.0  | 7.2 | 100 | MMK5 152K1000J02L4 BULK |
| 0.0018 | J02 | 3.5 | 8.0  | 7.2 | 100 | MMK5 182K1000J02L4 BULK |
| 0.0022 | J02 | 3.5 | 8.0  | 7.2 | 100 | MMK5 222K1000J02L4 BULK |
| 0.0027 | J02 | 3.5 | 8.0  | 7.2 | 100 | MMK5 272K1000J02L4 BULK |
| 0.0033 | J02 | 3.5 | 8.0  | 7.2 | 100 | MMK5 332K1000J02L4 BULK |
| 0.0039 | J03 | 4.5 | 9.0  | 7.2 | 100 | MMK5 392K1000J03L4 BULK |
| 0.0047 | J03 | 4.5 | 9.0  | 7.2 | 100 | MMK5 472K1000J03L4 BULK |
| 0.0056 | J03 | 4.5 | 9.0  | 7.2 | 100 | MMK5 562K1000J03L4 BULK |
| 0.0068 | J04 | 5.0 | 10.0 | 7.2 | 100 | MMK5 682K1000J04L4 BULK |
| 0.0082 | J05 | 6.0 | 11.0 | 7.2 | 100 | MMK5 822K1000J05L4 BULK |
| 0.010  | J05 | 6.0 | 11.0 | 7.2 | 100 | MMK5 103K1000J05L4 BULK |
| 0.012  | J06 | 7.2 | 13.0 | 7.2 | 100 | MMK5 123K1000J06L4 BULK |
| 0.015  | J06 | 7.2 | 13.0 | 7.2 | 100 | MMK5 153K1000J06L4 BULK |

## LEAD SPACING 7.5 MM

|        |     |     |      |      |    |                           |
|--------|-----|-----|------|------|----|---------------------------|
| 0.0010 | K00 | 2.5 | 6.0  | 10.0 | 80 | MMK7.5 102K1000K00L4 BULK |
| 0.0012 | K00 | 2.5 | 6.0  | 10.0 | 80 | MMK7.5 122K1000K00L4 BULK |
| 0.0015 | K00 | 2.5 | 6.0  | 10.0 | 80 | MMK7.5 152K1000K00L4 BULK |
| 0.0018 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 152K1000K01L4 BULK |
| 0.0018 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 182K1000K01L4 BULK |
| 0.0022 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 222K1000K01L4 BULK |
| 0.0027 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 272K1000K01L4 BULK |
| 0.0033 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 332K1000K01L4 BULK |
| 0.0039 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 392K1000K01L4 BULK |
| 0.0047 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 472K1000K01L4 BULK |
| 0.0056 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 562K1000K01L4 BULK |
| 0.0068 | K03 | 5.0 | 11.0 | 10.0 | 80 | MMK7.5 682K1000K03L4 BULK |
| 0.0082 | K03 | 5.0 | 11.0 | 10.0 | 80 | MMK7.5 822K1000K03L4 BULK |
| 0.010  | K03 | 5.0 | 11.0 | 10.0 | 80 | MMK7.5 103K1000K03L4 BULK |
| 0.012  | K03 | 5.0 | 11.0 | 10.0 | 80 | MMK7.5 123K1000K03L4 BULK |
| 0.015  | K04 | 6.0 | 12.0 | 10.5 | 80 | MMK7.5 153K1000K04L4 BULK |
| 0.018  | K04 | 6.0 | 12.0 | 10.5 | 80 | MMK7.5 183K1000K04L4 BULK |

## LEAD SPACING 10 MM

|        |     |     |      |      |    |                          |
|--------|-----|-----|------|------|----|--------------------------|
| 0.0010 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 102K1000A01L4 BULK |
| 0.0012 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 122K1000A01L4 BULK |
| 0.0015 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 152K1000A01L4 BULK |
| 0.0018 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 182K1000A01L4 BULK |
| 0.0022 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 222K1000A01L4 BULK |
| 0.0027 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 272K1000A01L4 BULK |
| 0.0033 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 332K1000A01L4 BULK |
| 0.0039 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 392K1000A01L4 BULK |
| 0.0047 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 472K1000A01L4 BULK |
| 0.0056 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 562K1000A01L4 BULK |
| 0.0068 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 682K1000A01L4 BULK |
| 0.0082 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 822K1000A01L4 BULK |
| 0.010  | A02 | 4.5 | 10.5 | 13.0 | 60 | MMK10 103K1000A02L4 BULK |
| 0.012  | A02 | 4.5 | 10.5 | 13.0 | 60 | MMK10 123K1000A02L4 BULK |
| 0.015  | A03 | 5.0 | 11.0 | 13.0 | 60 | MMK10 153K1000A03L4 BULK |
| 0.018  | A04 | 6.0 | 12.0 | 13.0 | 60 | MMK10 183K1000A04L4 BULK |
| 0.022  | A04 | 6.0 | 12.0 | 13.0 | 60 | MMK10 223K1000A04L4 BULK |

## LEAD SPACING 15 MM

|        |     |     |      |      |    |                          |
|--------|-----|-----|------|------|----|--------------------------|
| 0.0082 | B04 | 5.5 | 10.5 | 18.0 | 30 | MMK15 822K1000B04L4 BULK |
| 0.010  | B04 | 5.5 | 10.5 | 18.0 | 30 | MMK15 103K1000B04L4 BULK |
| 0.012  | B04 | 5.5 | 10.5 | 18.0 | 30 | MMK15 123K1000B04L4 BULK |
| 0.015  | B04 | 5.5 | 10.5 | 18.0 | 30 | MMK15 153K1000B04L4 BULK |

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 1000 VDC/250 VAC

## LEAD SPACING 15 MM

|       |     |     |      |      |    |                          |
|-------|-----|-----|------|------|----|--------------------------|
| 0.018 | B04 | 5.5 | 10.5 | 18.0 | 30 | MMK15 183K1000B04L4 BULK |
| 0.022 | B04 | 5.5 | 10.5 | 18.0 | 30 | MMK15 223K1000B04L4 BULK |
| 0.027 | B05 | 5.5 | 12.5 | 18.0 | 30 | MMK15 273K1000B05L4 BULK |
| 0.033 | B10 | 6.5 | 12.5 | 18.0 | 30 | MMK15 333K1000B10L4 BULK |
| 0.039 | B10 | 6.5 | 12.5 | 18.0 | 30 | MMK15 393K1000B10L4 BULK |
| 0.047 | B06 | 7.5 | 14.5 | 18.0 | 30 | MMK15 473K1000B06L4 BULK |
| 0.056 | B06 | 7.5 | 14.5 | 18.0 | 30 | MMK15 563K1000B06L4 BULK |
| 0.068 | B11 | 8.5 | 16.0 | 18.0 | 30 | MMK15 683K1000B11L4 BULK |
| 0.082 | B14 | 9.5 | 17.5 | 18.0 | 30 | MMK15 823K1000B14L4 BULK |
| 0.10  | B14 | 9.5 | 17.5 | 18.0 | 30 | MMK15 104K1000B14L4 BULK |

## LEAD SPACING 22.5 MM

|       |     |      |      |      |    |                            |
|-------|-----|------|------|------|----|----------------------------|
| 0.033 | D13 | 6.5  | 14.5 | 26.0 | 15 | MMK22.5 333K1000D13L4 TRAY |
| 0.039 | D13 | 6.5  | 14.5 | 26.0 | 15 | MMK22.5 393K1000D13L4 TRAY |
| 0.047 | D13 | 6.5  | 14.5 | 26.0 | 15 | MMK22.5 473K1000D13L4 TRAY |
| 0.056 | D13 | 6.5  | 14.5 | 26.0 | 15 | MMK22.5 563K1000D13L4 TRAY |
| 0.068 | D13 | 6.5  | 14.5 | 26.0 | 15 | MMK22.5 683K1000D13L4 TRAY |
| 0.082 | D13 | 6.5  | 14.5 | 26.0 | 15 | MMK22.5 823K1000D13L4 TRAY |
| 0.10  | D13 | 6.5  | 14.5 | 26.0 | 15 | MMK22.5 104K1000D13L4 TRAY |
| 0.12  | D17 | 7.0  | 16.5 | 26.0 | 15 | MMK22.5 124K1000D17L4 TRAY |
| 0.15  | D17 | 7.0  | 16.5 | 26.0 | 15 | MMK22.5 154K1000D17L4 TRAY |
| 0.18  | D14 | 8.0  | 16.0 | 26.0 | 15 | MMK22.5 184K1000D14L4 TRAY |
| 0.22  | D15 | 9.0  | 18.5 | 26.0 | 15 | MMK22.5 224K1000D15L4 TRAY |
| 0.27  | D18 | 10.5 | 19.0 | 26.0 | 15 | MMK22.5 274K1000D18L4 TRAY |
| 0.33  | D16 | 11.0 | 21.5 | 26.0 | 15 | MMK22.5 334K1000D16L4 TRAY |
| 0.39  | D20 | 13.5 | 23.0 | 26.0 | 15 | MMK22.5 394K1000D20L4 TRAY |
| 0.47  | D20 | 13.5 | 23.0 | 26.0 | 15 | MMK22.5 474K1000D20L4 TRAY |
| 0.56  | D19 | 15.5 | 24.5 | 26.0 | 15 | MMK22.5 564K1000D19L4 TRAY |

## LEAD SPACING 27.5 MM

|      |     |      |      |      |    |                            |
|------|-----|------|------|------|----|----------------------------|
| 0.33 | F11 | 10.5 | 20.5 | 31.5 | 12 | MMK27.5 334K1000F11L4 TRAY |
| 0.39 | F11 | 10.5 | 20.5 | 31.5 | 12 | MMK27.5 394K1000F11L4 TRAY |
| 0.39 | F17 | 21.0 | 12.5 | 31.5 | 12 | MMK27.5 394K1000F17L4 TRAY |
| 0.47 | F12 | 11.5 | 22.5 | 31.5 | 12 | MMK27.5 474K1000F12L4 TRAY |
| 0.56 | F03 | 13.5 | 23.0 | 31.5 | 12 | MMK27.5 564K1000F03L4 TRAY |
| 0.68 | F13 | 14.5 | 24.5 | 31.5 | 12 | MMK27.5 684K1000F13L4 TRAY |
| 0.82 | F14 | 17.5 | 28.0 | 31.5 | 12 | MMK27.5 824K1000F14L4 TRAY |
| 0.82 | F19 | 27.5 | 16.0 | 31.5 | 12 | MMK27.5 824K1000F19L4 TRAY |
| 1.0  | F14 | 17.5 | 28.0 | 31.5 | 12 | MMK27.5 105K1000F14L4 TRAY |
| 1.2  | F15 | 19.0 | 29.0 | 31.5 | 12 | MMK27.5 125K1000F15L4 TRAY |
| 1.2  | F18 | 31.0 | 19.0 | 31.5 | 12 | MMK27.5 125K1000F18L4 TRAY |
| 1.5  | F16 | 21.0 | 30.0 | 31.5 | 12 | MMK27.5 155K1000F16L4 TRAY |

## LEAD SPACING 37.5 MM

|      |     |      |      |      |    |                            |
|------|-----|------|------|------|----|----------------------------|
| 0.68 | R05 | 13.0 | 24.0 | 41.0 | 10 | MMK37.5 684K1000R05L4 TRAY |
| 0.82 | R05 | 13.0 | 24.0 | 41.0 | 10 | MMK37.5 824K1000R05L4 TRAY |
| 1.0  | R04 | 15.0 | 26.0 | 41.0 | 10 | MMK37.5 105K1000R04L4 TRAY |
| 1.2  | R04 | 15.0 | 26.0 | 41.0 | 10 | MMK37.5 125K1000R04L4 TRAY |
| 1.5  | R02 | 16.5 | 32.0 | 41.0 | 10 | MMK37.5 155K1000R02L4 TRAY |
| 1.8  | R02 | 16.5 | 32.0 | 41.0 | 10 | MMK37.5 185K1000R02L4 TRAY |
| 2.2  | R03 | 19.0 | 36.0 | 41.0 | 10 | MMK37.5 225K1000R03L4 TRAY |
| 2.7  | R06 | 21.0 | 38.0 | 41.0 | 10 | MMK37.5 275K1000R06L4 TRAY |
| 3.3  | R08 | 28.0 | 43.0 | 41.0 | 10 | MMK37.5 335K1000R08L4 TRAY |
| 3.9  | R08 | 28.0 | 43.0 | 41.0 | 10 | MMK37.5 395K1000R08L4 TRAY |
| 4.7  | R08 | 28.0 | 43.0 | 41.0 | 10 | MMK37.5 475K1000R08L4 TRAY |

## KEMET Corporation World Headquarters

2835 KEMET Way  
Simpsonville, SC 29681

Mailing Address:  
P.O. Box 5928  
Greenville, SC 29606

www.kemet.com  
Tel: 864-963-6300  
Fax: 864-963-6521

### Corporate Offices

Fort Lauderdale, FL  
Tel: 954-766-2800

## North America

### Southeast

Lake Mary, FL  
Tel: 407-855-8886

### Northeast

Wilmington, MA  
Tel: 978-658-1663

West Chester, PA  
Tel: 610-692-4642

### Central

Schaumburg, IL  
Tel: 847-882-3590

Carmel, IN  
Tel: 317-706-6742

### West

Milpitas, CA  
Tel: 408-433-9950

### Mexico

Zapopan, Jalisco  
Tel: 52-33-3123-2141

## Europe

### Southern Europe

Geneva, Switzerland  
Tel: 41-22-715-0100

Paris, France  
Tel: 33-1-4646-1009

Sasso Marconi, Italy  
Tel: 39-051-939111

Milan, Italy  
Tel: 39-02-57518176

Rome, Italy  
Tel: 39-06-23231718

Madrid, Spain  
Tel: 34-91-804-4303

### Central Europe

Landsberg, Germany  
Tel: 49-8191-3350800

Dortmund, Germany  
Tel: 49-2307-3619672

Kwidzyn, Poland  
Tel: 48-55-279-7025

### Northern Europe

Bishop's Stortford, United Kingdom  
Tel: 44-1279-757201

Weymouth, United Kingdom  
Tel: 44-1305-830747

Coatbridge, Scotland  
Tel: 44-1236-434455

Färjestaden, Sweden  
Tel: 46-485-563934

Espoo, Finland  
Tel: 358-9-5406-5000

## Asia

### Northeast Asia

Hong Kong  
Tel: 852-2305-1168

Shenzhen, China  
Tel: 86-755-2518-1306

Beijing, China  
Tel: 86-10-5829-1711

Shanghai, China  
Tel: 86-21-6447-0707

Taipei, Taiwan  
Tel: 886-2-27528585

### Southeast Asia

Singapore  
Tel: 65-6586-1900

Penang, Malaysia  
Tel: 60-4-6430200

Bangalore, India  
Tel: 91-806-53-76817

*Note: KEMET reserves the right to modify minor details of internal and external construction at any time in the interest of product improvement. KEMET does not assume any responsibility for infringement that might result from the use of KEMET Capacitors in potential circuit designs. KEMET is a registered trademark of KEMET Electronics Corporation.*

## Other KEMET Resources

| Tools                          |                                                                             |
|--------------------------------|-----------------------------------------------------------------------------|
| Resource                       | Location                                                                    |
| Configure A Part: CapEdge      | <a href="http://capacitoredge.kemet.com">http://capacitoredge.kemet.com</a> |
| SPICE & FIT Software           | <a href="http://www.kemet.com/spice">http://www.kemet.com/spice</a>         |
| Search Our FAQs: KnowledgeEdge | <a href="http://www.kemet.com/keask">http://www.kemet.com/keask</a>         |

| Product Information                                  |                                                                                           |
|------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Resource                                             | Location                                                                                  |
| Products                                             | <a href="http://www.kemet.com/products">http://www.kemet.com/products</a>                 |
| Technical Resources (Including Soldering Techniques) | <a href="http://www.kemet.com/technicalpapers">http://www.kemet.com/technicalpapers</a>   |
| RoHS Statement                                       | <a href="http://www.kemet.com/rohs">http://www.kemet.com/rohs</a>                         |
| Quality Documents                                    | <a href="http://www.kemet.com/qualitydocuments">http://www.kemet.com/qualitydocuments</a> |

| Product Request         |                                                                       |
|-------------------------|-----------------------------------------------------------------------|
| Resource                | Location                                                              |
| Sample Request          | <a href="http://www.kemet.com/sample">http://www.kemet.com/sample</a> |
| Engineering Kit Request | <a href="http://www.kemet.com/kits">http://www.kemet.com/kits</a>     |

| Contact            |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Resource           | Location                                                                            |
| Website            | <a href="http://www.kemet.com">www.kemet.com</a>                                    |
| Contact Us         | <a href="http://www.kemet.com/contact">http://www.kemet.com/contact</a>             |
| Investor Relations | <a href="http://www.kemet.com/ir">http://www.kemet.com/ir</a>                       |
| Call Us            | 1-877-MyKEMET                                                                       |
| Twitter            | <a href="http://twitter.com/kemetcapacitors">http://twitter.com/kemetcapacitors</a> |

## Disclaimer

All product specifications, statements, information and data (collectively, the "Information") are subject to change without notice.

All Information given herein is believed to be accurate and reliable, but is presented without guarantee, warranty, or responsibility of any kind, expressed or implied.

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute – and we specifically disclaim – any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

Although we design and manufacture our products to the most stringent quality and safety standards, given the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies) in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage.

Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated or that other measures may not be required.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## KEMET:

[MMK5682J100J01L16.5TA18](#) [MMK5682J100J01L16.5TR16](#) [MMK5682J100J01L16.5TR18](#)  
[MMK5682J100J01L4BULK](#) [MMK5682J250J01L16.5TA18](#) [MMK5682J250J01L16.5TR16](#) [MMK5682J250J01L16.5TR18](#)  
[MMK5682J250J01L4BULK](#) [MMK5682J400J01L16.5TA18](#) [MMK5682J400J01L16.5TR16](#)  
[MMK5682J400J01L16.5TR18](#) [MMK5682J400J01L4BULK](#) [MMK5682J50J01L16.5TA18](#) [MMK5682J50J01L16.5TR16](#)  
[MMK5682J50J01L16.5TR18](#) [MMK5682J50J01L4BULK](#) [MMK5682J630J02L16.5TA18](#) [MMK5682J630J02L16.5TR16](#)  
[MMK5682J630J02L16.5TR18](#) [MMK5682J630J02L4BULK](#) [MMK5682J63J01L16.5TA18](#) [MMK7.5104K63K00L16.5TR18](#)  
[MMK15104K400B04L3.2GBULK](#) [MMK7.5563J100K00L4BULK](#) [MMK7.5272J100K00L4BULK](#)  
[MMK15684K250B10L16.5TR18](#) [MMK7.5152J100K00L4BULK](#) [MMK7.5474J100K03L4BULK](#)  
[MMK5223J630J04L16.5TR18V85](#) [MMK7.5224K250K03L3.5CBULK](#) [MMK15334K250B04L16.5TR18](#)  
[MMK5104J63J01L16.5TA18V21](#) [MMK7.5123J100K00L4BULK](#) [MMK10332K1000A01L16.5TR18](#)  
[MMK10222K1000A01L16.5TR18](#) [MMK7.5472K400K00L16.5TA18](#) [MMK7.5472J100K00L4BULK](#)  
[MMK7.5103K250K00L16.5TR18](#) [MMK22.5225K250D15L4BULK](#) [MMK15395K63B06L16.5TR18](#)  
[MMK10104K250A01L3.6KBULKV21](#) [MMK7.5333J100K00L4BULK](#) [MMK10104G100A01L4BULK](#)  
[MMK7.5223J100K00L4BULK](#) [MMK15225K63B06L6.0ABULK](#) [MMK7.5104K100K00L16.5TA18](#)  
[MMK7.5684J100K03L4BULK](#) [MMK5224K63J01L16.5TA18V21](#) [MMK7.5182J100K00L4BULK](#)  
[MMK7.5334J100K03L4BULK](#) [MMK5474K63J03L16.5TA18](#) [MMK7.5223K250K00L16.5TR18](#)  
[MMK5104J100J01L15.0CBULK](#) [MMK5104J63J01L15.0ABULK](#) [MMK7.5222J100K00L4BULK](#)  
[MMK10155K63A03L16.5TR18](#) [MMK15155K100B10L16.5TR16](#) [MMK7.5564J100K03L4BULK](#)  
[MMK5154K63J01L16.5TA18V21](#) [MMK7.5332J100K00L4BULK](#) [MMK7.5273J100K00L4BULK](#)  
[MMK22.5474K630D18L4TRAY](#) [MMK15224K250B04L16.5TR16](#) [MMK7.5682J100K00L4BULK](#)  
[MMK7.5103J250K00L4BULK](#) [MMK5224J63J01L15.0ABULK](#) [MMK22.5106K63D15L16.5TR18](#)  
[MMK7.5153J100K00L4BULK](#) [MMK15225K100B06L16.5TR18](#) [MMK5334J63J02L15.0CBULK](#)  
[MMK7.5562J100K00L4BULK](#) [MMK22.5474K250D13L4BULK](#) [MMK37.5396K250R08L30.0CL2](#)  
[MMK7.5154J100K01L4BULK](#) [MMK10683K250A01L16.5TR18](#) [MMK10104K250A01L3.6KBULK](#)  
[MMK7.5124J100K01L4BULK](#) [MMK10682K400A01L16.5TR18](#) [MMK7.5473J100K00L4BULK](#)  
[MMK10682M630A01L3.0ABULK](#) [MMK5105K63J04L16.5TA18V21](#) [MMK15684K100B04L16.5TR18](#)  
[MMK7.5224J100K01L4BULK](#) [MMK7.5105J63K03L4BULK](#) [MMK10473K400A01L16.5TR18](#)  
[MMK7.5104K250K01L16.5TR18](#) [MMK7.5474K63K01L16.5TR18](#) [MMK22.5106K100D19L4TRAY](#)  
[MMK10474K100A01L16.5TR18](#) [MMK10224K250A02L16.5TR18](#) [MMK7.5334K63K01L16.5TR18](#)

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: [ocean@oceanchips.ru](mailto:ocean@oceanchips.ru)

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А