



# Hybrid Polymer Aluminum Electrolytic Capacitors

SMD capacitors

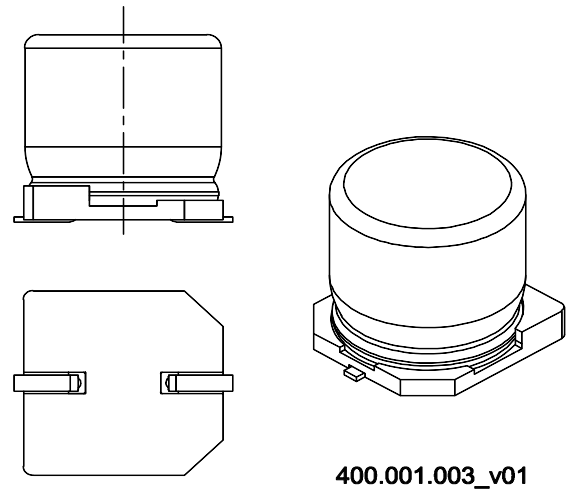
<b>Series/Type:</b>	<b>B40900</b>
<b>Ordering code:</b>	<b>B40900A7227M000</b>
Date:	June 05, 2019
Version:	2

**125 °C / 4000 h**

- Very high ripple current
- Low ESR across temperature range

**Dimensions (mm)**

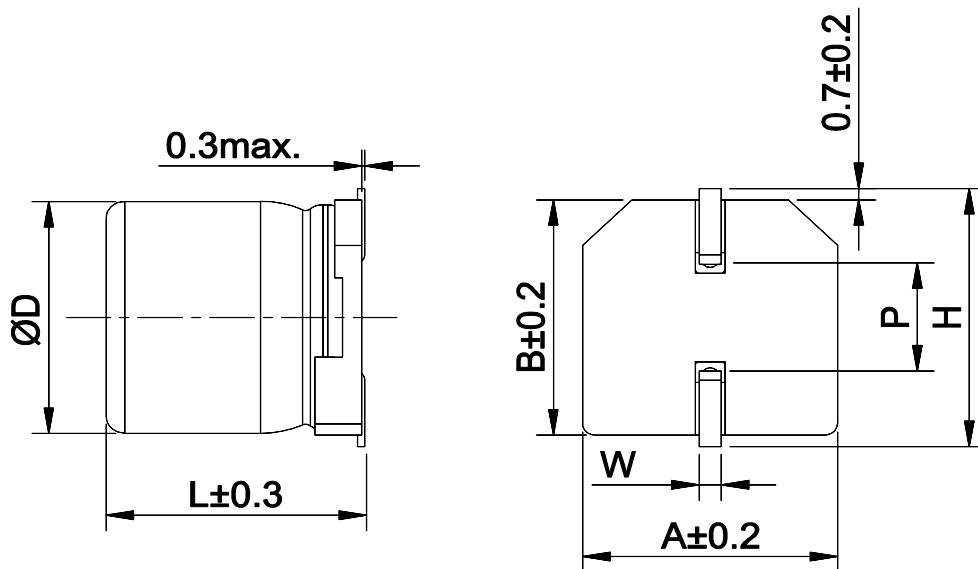
Case d x l	Insulation	Terminals
10 x 10.2	Coated can	SMD standard Sn plating


**Technical data**

Rated capacitance	$C_R$	120 Hz, 20 °C	270 $\mu$ F	
Capacitance tolerance			$\pm 20\%$	
Rated voltage	$V_R$		35 V	
Surge voltage	$V_S$	$T_{amb} = 125\text{ °C}$	40.2 V	1000 cycles acc. IEC 60384-4
Operating temperature range			-40 / +125 °C	
IEC climatic temperature			40/125/56	
Maximum leakage current	$I_{leak}$	2 min, 20 °C	94 $\mu$ A	
Maximum tan $\delta$	$\tan \delta_{max}$	120 Hz, 20 °C	0.12	
Maximum ESR	$ESR_{max}$	100 kHz, 20 °C	20 m $\Omega$	
Rated ripple current	$I_{AC,R}$	100 kHz, $T_{amb} = 125\text{ °C}$	2.8 A	
Voltage endurance test		125 °C, $V_R$	1000 h	After test: $ \Delta C/C  \leq 15\%$ of initial value $\tan \delta \leq 1.5 \times$ initial spec. limit $I_{leak} \leq$ initial spec. limit
Useful life		125 °C, $V_R$ , $I_{AC,R}$	4000 h	After test: $ \Delta C/C  \leq 30\%$ of initial value $ESR \leq 2 \times$ initial spec. limit <sup>1)</sup> $I_{leak} \leq$ initial spec. limit
Other specifications	Data Book 2019, RoHS-compatible			
Reference standard	AEC-Q200 (under qualification)			
Remarks	Taped on reel (plastic reel) <sup>1)</sup> $ESR_{max}$ at 100 kHz, 20 °C			

Cautions and warnings: see Data Book 2019 or [www.tdk-electronics.tdk.com](http://www.tdk-electronics.tdk.com)

Detail drawing (mm):

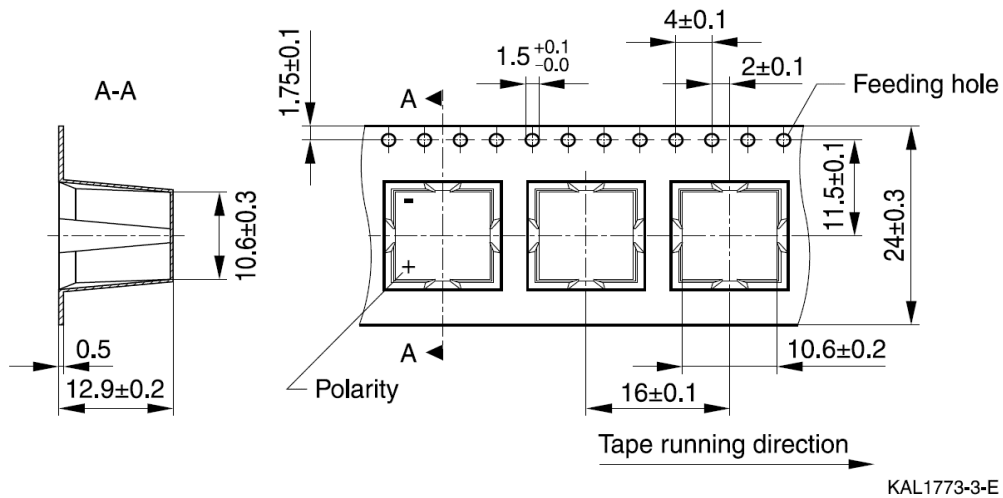


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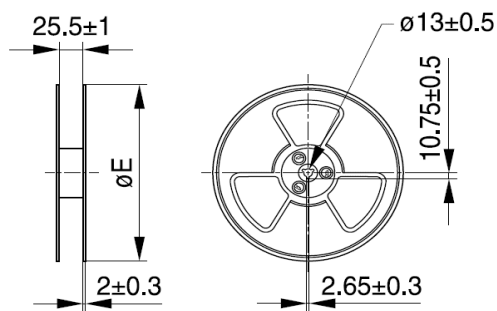
$D \pm 0.5$	L	A	B	$H_{\text{max}}$	$W \pm 0.2$	P *
10.0	10.2	10.3	10.3	12.0	0.9	4.6

\* Reference value

Package details (mm):



KAL1773-3-E



KAL1774-B

<b>E</b>
381 mm

Parts per reel: 500 parts  
 Reels per box: 5 reels  
 Box dimensions: 400 mm x 405 mm x 230 mm

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