



Metal thin film chip resistor networks

■ RM series

AEC-Q200 Compliant

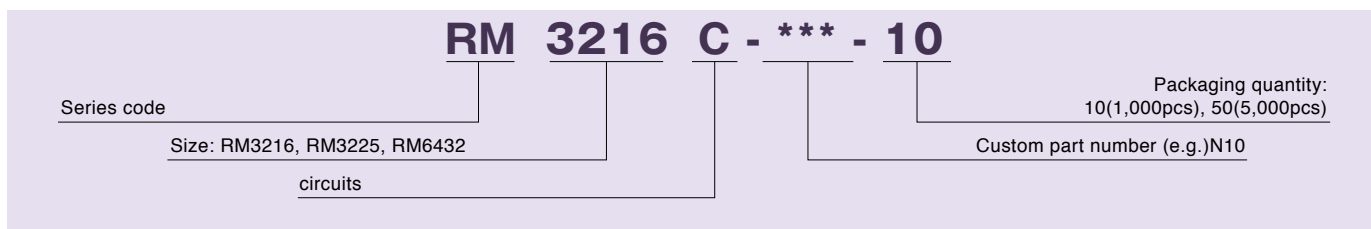
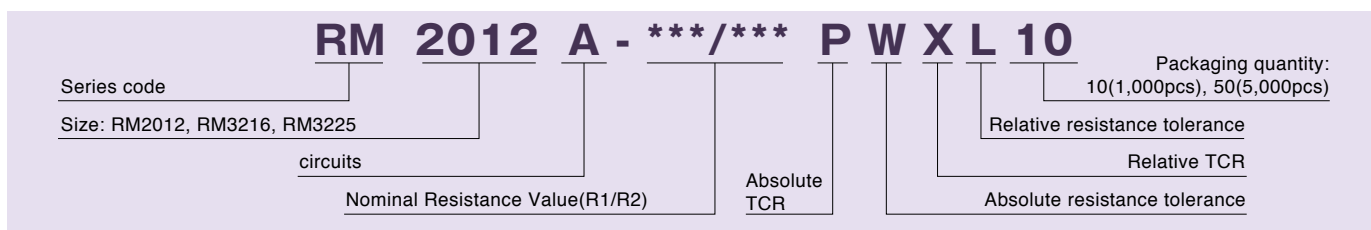
Features

- Relative resistance tolerance and relative TCR definable among multiple resistors within package.
- Relative resistance tolerance: $\pm 0.01\%$, relative TCR: $\pm 1\text{ppm}/^\circ\text{C}$
- Number of resistors in package: 2 or higher, standard and custom circuits designs available
- RG series equivalent reliability and long term stability: less than $\pm 0.1\%$ drift after 10000 hour stress test.
- RoHS compliant, 100% lead free

Applications

- Precision measurement instrumentation, medical electronics, automotive electronics
- Voltage divider and amplification circuits that require very precise relative resistance tolerance and TCR
- Multi step precision amplification circuits for minute signals

◆ Part numbering system



* Please contact our sales office regarding custom products including resistance, resistance combination, number of elements, circuit, and others.

* Standard quantity / reel is 1000 and 5000. Please contact our sales office for custom product's quantity / reel.

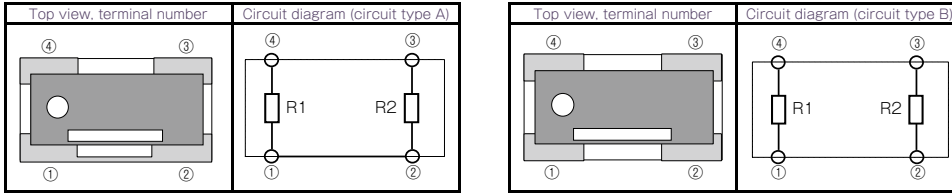
* Standard resistance value pairings are shown as below
(Standard products are 2element circuit typeA & typeB only.)

◆ Standard resistance value pairings

| Ratio | R1 (Ω) | R2 (Ω) | Ratio | R1 (Ω) | R2 (Ω) | Ratio | R1 (Ω) | R2 (Ω) | Ratio | R1 (Ω) | R2 (Ω) | Ratio | R1 (Ω) | R2 (Ω) | Ratio | R1 (Ω) | R2 (Ω) |
|-------|--------|--------|-------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| 1 : 1 | 1k | 1k | 1 : 3 | 1k | 3k | 1 : 5 | 1k | 5k | 1 : 9 | 1k | 9k | 1 : 20 | 1k | 20k | 1 : 50 | 1K | 50k |
| | 10k | 10k | | 10k | 30k | | 2k | 10k | | 10k | 90k | | 2k | 40k | | 2K | 100k |
| | 100k | 100k | | 100k | 300k | | 10k | 50k | | 1k | 10k | | 5k | 100k | | 1K | 100k |
| 1 : 2 | 1k | 2k | 1 : 4 | 1k | 4k | 1 : 6 | 1k | 6k | 1 : 10 | 2k | 20k | 1 : 25 | 1k | 25k | 1 : 100 | 2K | 200k |
| | 10k | 20k | | 10k | 40k | | 10k | 60k | | 10k | 100k | | 2k | 50k | | | |
| | 100k | 200k | | | | | | | | | | | | | | | |

◆ Electrical Specification

○ 4 terminal, 2 element

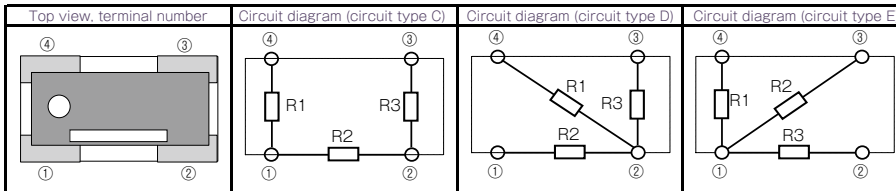


| Type | Power ratings (85°C) | Resistance range (Ω) | Resistance tolerance (Code) | | | | Temperature coefficient of resistance (Code) ^{*1} | | | | Packaging quantity (designation) |
|--------|--------------------------------------|----------------------|-----------------------------------|---|-----------------------------------|-----------------------------------|--|---|---|------------------------------|---|
| | | | Absolute tolerance | Relative tolerance ^{*2} | | | Absolute tolerance | Relative tolerance ^{*2} | | | |
| | | | | Resistance ratio = 1 | 1 < Resistance ratio ≤ 100 | 100 < Resistance ratio ≤ 500 | | Resistance ratio = 1 | 1 < Resistance ratio ≤ 100 | 100 < Resistance ratio ≤ 500 | |
| RM2012 | 0.05W / Element 0.1W / Package | 100 ~ <300 | ±0.1%(B) ±0.5%(D) | ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | - | ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | - | |
| | | 300 ~ 100k | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | |
| RM3216 | 0.083W / Element 0.125W / Package | 100 ~ <300 | ±0.1%(B) ±0.5%(D) | ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | - | ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | - | tape & reel (T&R) 10=1,000pcs 50=5,000pcs |
| | | 300 ~ 500k | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | |
| RM3225 | 0.1W / Element 0.2W / Package | 100 ~ <300 | ±0.1%(B) ±0.5%(D) | ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | - | ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | - | |
| | | 300 ~ 500k | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | |

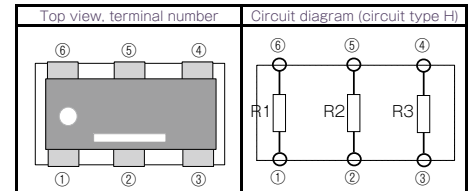
*1 TCR guaranteed range : -20°C ~ 125°C

*2 Contact us for detailed information on relative tolerance and TCR.

○ 4 terminal, 3 element



○ 6 terminal, 3 element



| Type | Power rating (85°C) | Resistance range (Ω) | Resistance tolerance (Code) | | | | Temperature coefficient of resistance (Code) ^{*1} | | | | Packaging quantity (designation) |
|--------|--------------------------------------|----------------------|-----------------------------------|---|-----------------------------------|-----------------------------------|--|---|---|------------------------------|---|
| | | | Absolute tolerance | Relative tolerance ^{*2} | | | Absolute tolerance | Relative tolerance ^{*2} | | | |
| | | | | Resistance ratio = 1 | 1 < Resistance ratio ≤ 100 | 100 < Resistance ratio ≤ 500 | | Resistance ratio = 1 | 1 < Resistance ratio ≤ 100 | 100 < Resistance ratio ≤ 500 | |
| RM3216 | 0.042W / Element 0.125W / Package | 100 ~ <300 | ±0.1%(B) ±0.5%(D) | ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | - | ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | - | tape & reel (T&R) 10=1,000pcs 50=5,000pcs |
| | | 300 ~ 100k | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | |
| RM3225 | 0.066W / Element 0.2W / Package | 100 ~ <300 | ±0.1%(B) ±0.5%(D) | ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | - | ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | - | |
| | | 300 ~ 100k | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | |

*1 TCR guaranteed range : -20°C ~ 125°C

*2 Contact us for detailed information on relative tolerance and TCR.

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■ RM series

○ 6 terminal, 4 element



| Type | Power ratings (85°C) | Resistance range (Ω) | Resistance tolerance (Code) | | | | Temperature coefficient of resistance (Code) ^{*1} | | | | Packaging quantity (designation) |
|--------|--------------------------------------|----------------------|-----------------------------------|---|-----------------------------------|---|--|---|----------------------------|------------------------------|----------------------------------|
| | | | Absolute tolerance | Relative tolerance ^{*2} | | | Absolute tolerance | Relative tolerance ^{*2} | | | |
| | | | | Resistance ratio = 1 | 1 < Resistance ratio ≤ 100 | 100 < Resistance ratio ≤ 500 | | Resistance ratio = 1 | 1 < Resistance ratio ≤ 100 | 100 < Resistance ratio ≤ 500 | |
| RM3216 | 0.032W / Element 0.125W / Package | 100 ~ <300 | ±0.1%(B) ±0.5%(D) | ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | - | ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | - | tape & reel (T&R) |
| | | 300 ~ 100k | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | | |
| RM3225 | 0.05W / Element 0.2W / Package | 100 ~ <300 | ±0.1%(B) ±0.5%(D) | ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | - | ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | - | 10=1,000pcs 50=5,000pcs |
| | | 300 ~ 100k | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | | |

*1 TCR guaranteed range : -20°C ~ 125°C

*2 Contact us for detailed information on relative tolerance and TCR.

○ 8 terminal, 4 element



| Type | Power ratings (85°C) | Resistance range (Ω) | Resistance tolerance (Code) | | | | Temperature coefficient of resistance (Code) ^{*1} | | | | Packaging quantity (designation) |
|--------|--------------------------------------|----------------------|-----------------------------------|---|-----------------------------------|---|--|---|----------------------------|------------------------------|----------------------------------|
| | | | Absolute tolerance | Relative tolerance ^{*2} | | | Absolute tolerance | Relative tolerance ^{*2} | | | |
| | | | | Resistance ratio = 1 | 1 < Resistance ratio ≤ 100 | 100 < Resistance ratio ≤ 500 | | Resistance ratio = 1 | 1 < Resistance ratio ≤ 100 | 100 < Resistance ratio ≤ 500 | |
| RM3216 | 0.032W / Element 0.125W / Package | 100 ~ <300 | ±0.1%(B) ±0.5%(D) | ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | - | ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | - | tape & reel (T&R) |
| | | 300 ~ 100k | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | | |
| RM3225 | 0.05W / Element 0.2W / Package | 100 ~ <300 | ±0.1%(B) ±0.5%(D) | ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | - | ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | - | 10=1,000pcs 50=5,000pcs |
| | | 300 ~ 100k | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | | |
| RM6432 | 0.1W / Element 0.4W / Package | 100 ~ <300 | ±0.1%(B) ±0.5%(D) | ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | - | ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | - | tape & reel (T&R) |
| | | 300 ~ 1M | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | | |

*1 TCR guaranteed range : -20°C ~ 125°C

*2 Contact us for detailed information on relative tolerance and TCR.

○ 8 terminal, 6 element



| Type | Power ratings (85°C) | Resistance range (Ω) | Resistance tolerance (Code) | | | | Temperature coefficient of resistance (Code) ^{*1} | | | | Packaging quantity (designation) |
|--------|--------------------------------------|----------------------|-----------------------------------|---|-----------------------------------|---|--|---|----------------------------|------------------------------|---|
| | | | Absolute tolerance | Relative tolerance ^{*2} | | | Absolute tolerance | Relative tolerance ^{*2} | | | |
| | | | | Resistance ratio = 1 | 1 < Resistance ratio ≤ 100 | 100 < Resistance ratio ≤ 500 | | Resistance ratio = 1 | 1 < Resistance ratio ≤ 100 | 100 < Resistance ratio ≤ 500 | |
| RM3216 | 0.021W / Element 0.125W / Package | 100 ~ <300 | ±0.1%(B) ±0.5%(D) | ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | - | ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | - | tape & reel (T&R) 10=1,000pcs 50=5,000pcs |
| | | 300 ~ 100k | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | |
| RM3225 | 0.033W / Element 0.2W / Package | 100 ~ <300 | ±0.1%(B) ±0.5%(D) | ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | - | ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | - | |
| | | 300 ~ 100k | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | |
| RM6432 | 0.066W / Element 0.4W / Package | 100 ~ <300 | ±0.1%(B) ±0.5%(D) | ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | - | ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | - | |
| | | 300 ~ 1M | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±0.05%(W) ±0.1%(B) ±0.5%(D) | ±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | ±2ppm/°C(W) ±5ppm/°C(V) | |

*1 TCR guaranteed range : -20°C ~ 125°C

*2 Contact us for detailed information on relative tolerance and TCR.

○ Some examples of custom RM series

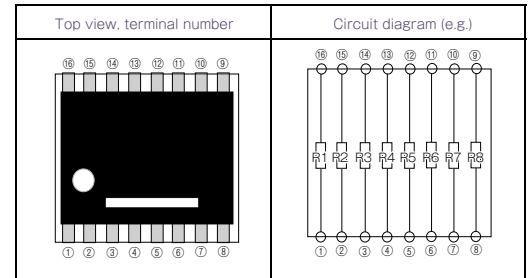
RM2525(2.5mm×2.5mm)



RM5882(5.8mm×8.2mm)



RM10280(10.2mm×7.2mm)



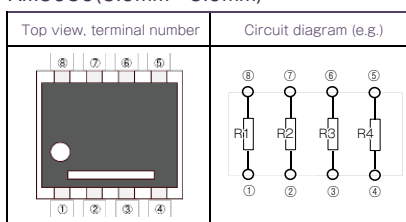
RM8258(8.2mm×5.8mm)



RM11264(11.2mm×6.4mm)



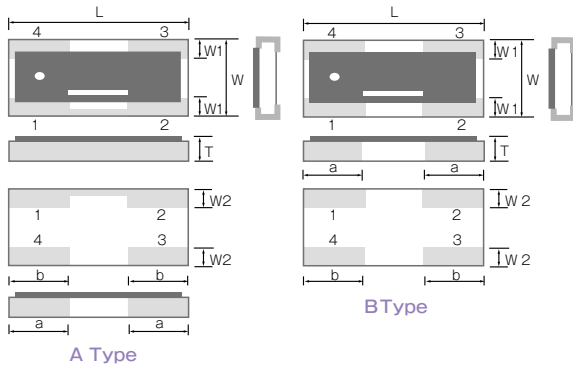
RM5050(5.0mm×5.0mm)



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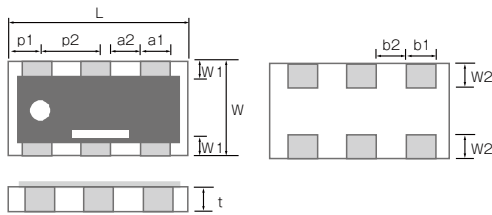
■ RM series

◆ Dimensions



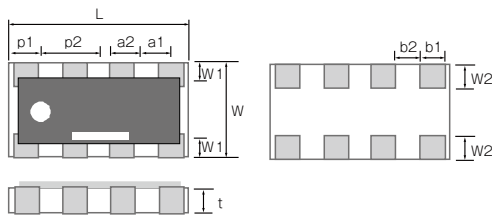
| 4 terminal | | | | | | | | |
|------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Type | Size (inch) | L | W | t | a | b | W1 | W2 |
| RM2012 | 0805 | 2.00±0.20 | 1.25±0.20 | 0.45±0.10 | 0.50±0.20 | 0.60±0.20 | 0.40±0.20 | 0.35±0.20 |
| RM3216 | 1206 | 3.20±0.20 | 1.60±0.20 | 0.45±0.10 | 1.00±0.25 | 1.00±0.20 | 0.40±0.25 | 0.40±0.20 |
| RM3225 | 1209 | 3.20±0.20 | 2.50±0.20 | 0.45±0.10 | 1.00±0.25 | 1.00±0.20 | 0.40±0.25 | 0.60±0.20 |

(unit : mm)



| 6 terminal | | | | | | | | | | | | |
|------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Type | Size (inch) | L | W | t | a1 | a2 | b1 | b2 | p1 | p2 | W1 | W2 |
| RM3216 | 1206 | 3.20±0.20 | 1.60±0.20 | 0.45±0.10 | 0.50±0.20 | 0.45±0.20 | 0.50±0.20 | 0.45±0.20 | 0.63±0.20 | 0.95±0.10 | 0.23±0.20 | 0.40±0.20 |
| RM3225 | 1209 | 3.20±0.20 | 2.50±0.20 | 0.45±0.10 | 0.50±0.10 | 0.45±0.10 | 0.50±0.10 | 0.45±0.10 | 0.63±0.20 | 0.95±0.10 | 0.30±0.20 | 0.50±0.20 |

(unit : mm)



| 8 terminal | | | | | | | | | | | | |
|------------|-------------|-----------|-----------|-----------|---------------------|---------------------|---------------------|---------------------|-----------|-----------|-----------|-----------|
| Type | Size (inch) | L | W | t | a1 | a2 | b1 | b2 | p1 | p2 | W1 | W2 |
| RM3216 | 1206 | 3.20±0.20 | 1.60±0.20 | 0.45±0.10 | 0.50±0.20 | 0.40±0.20 | 0.50±0.20 | 0.45±0.20 | 0.40±0.20 | 0.80±0.10 | 0.30±0.20 | 0.40±0.20 |
| RM3225 | 1209 | 3.20±0.20 | 2.50±0.20 | 0.45±0.10 | 0.40 +0.20/-0.10 | 0.40 +0.10/-0.20 | 0.40 +0.10/-0.20 | 0.40 +0.10/-0.20 | 0.40±0.20 | 0.80±0.10 | 0.30±0.20 | 0.40±0.20 |
| RM6432 | 2512 | 6.40±0.20 | 3.20±0.20 | 0.50±0.10 | 0.66 +0.20/-0.10 | 0.94 +0.10/-0.20 | 0.66 +0.20/-0.10 | 0.94 +0.10/-0.20 | 0.80±0.20 | 1.60±0.10 | 0.50±0.20 | 0.60±0.10 |

(unit : mm)

◆ Reliability specification

| Test items | Condition (test methods (MIL-PRF-55342/JIS C5201-1)) | Standard | |
|--------------------------------|--|--------------------|--------------------|
| | | Absolute tolerance | Relative tolerance |
| Short time overload | 2.5 x rated voltage, ^{*1} 5seconds | ±(0.05%+0.01Ω) | ±0.02% |
| Life (biased) | 85°C, rated voltage, ^{*1} 90min on 30min off, 1000hours | ±(0.05%+0.01Ω) | ±0.02% |
| High temperature high humidity | 85°C, 85%RH, 1/10 of rated power, 90min on 30min off, 1000hours | ±(0.05%+0.01Ω) | ±0.02% |
| Temperature shock | -55°C (38min) ~ 125°C (30min) 1000cycles ^{*2} | ±(0.05%+0.01Ω) | ±0.02% |
| High temperature exposure | 155°C, no bias, 100hours | ±(0.05%+0.01Ω) | ±0.02% |
| Resistance to soldering heat | 260±5°C, 10 seconds (reflow) | ±(0.05%+0.01Ω) | ±0.02% |

*1 Rated voltage is given by $E = \sqrt{R \times P}$

E= rated voltage (V), R=nominal resistance value(Ω), P=rated power(W)

If rated voltage exceeds maximum voltage /element, maximum voltage/element is the rated voltage.

*2 Based on the tests done on RM316.RM3225.

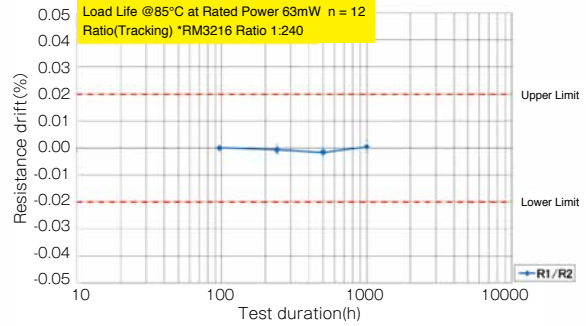
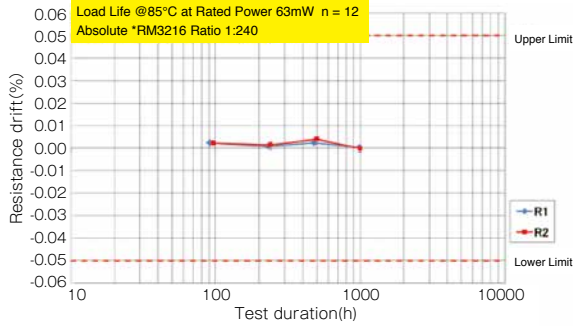
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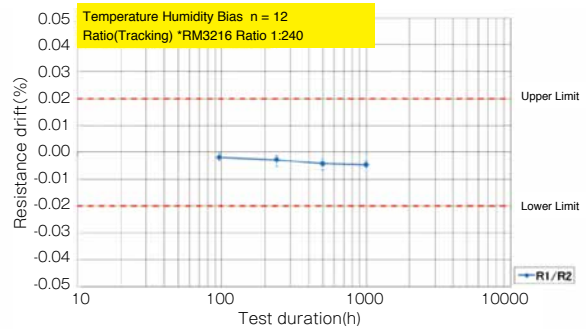
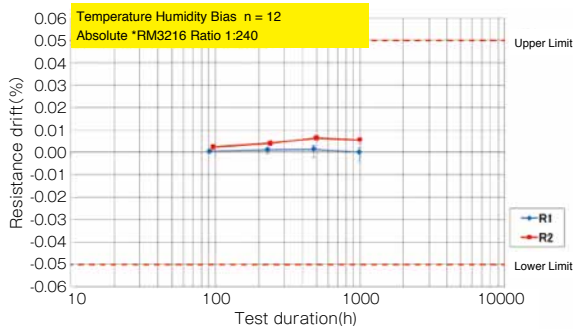
RM series

Reliability test data

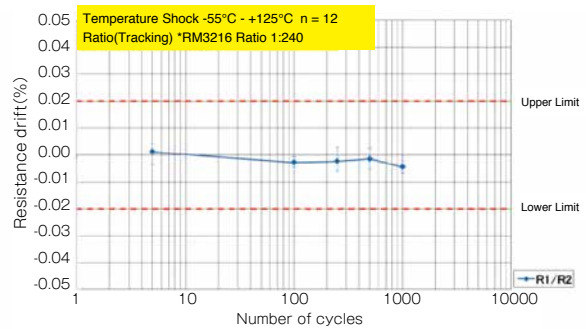
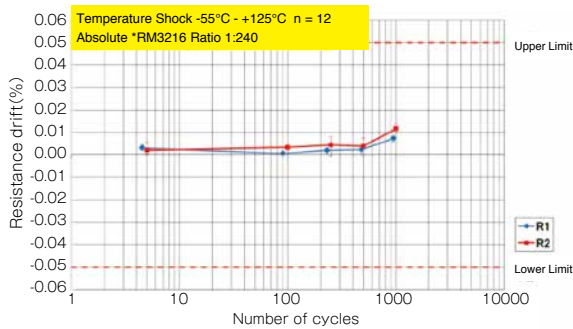
Load life with rated power @85°C



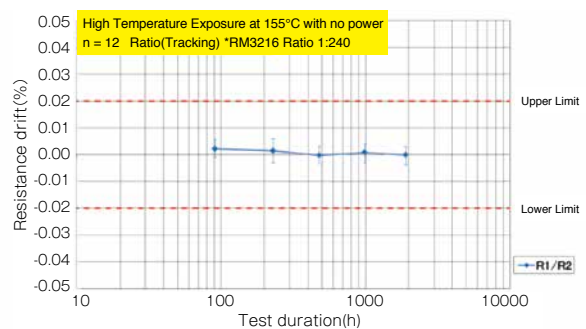
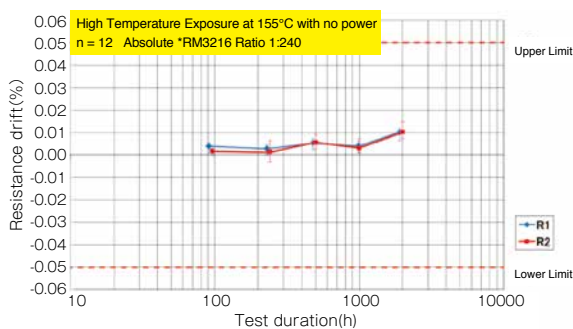
High temperature high humidity (biased)



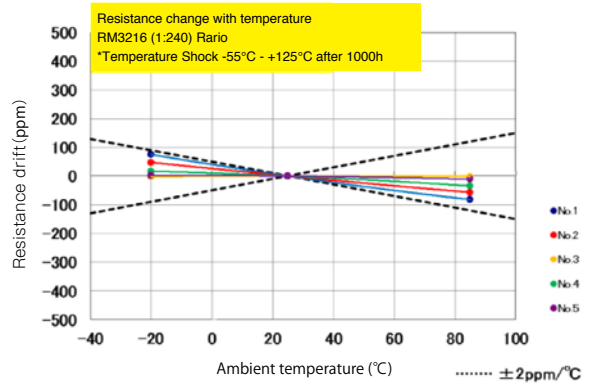
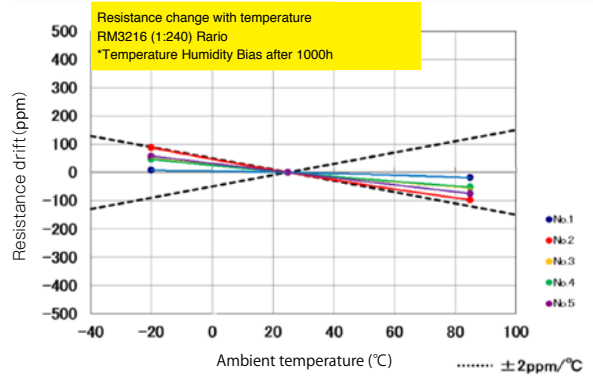
Temperature shock



High temperature exposure (155°C)



◆ TCR linearity



◆ Derating Curve



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