

■ Characteristics

- Thick film technology
- High precision
- Anti Sulfur

■ Dimensions (mm)

size	L	B	D	C
RM1608	1.60 ± 0.20	0.80 ± 0.13	0.4 ± 0.15	0.30 ± 0.20
RM2012	2.00 ± 0.20	1.25 ± 0.13	0.5 ± 0.15	0.40 ± 0.20
RM3216	3.20 ± 0.20	1.60 ± 0.13	0.5 ± 0.15	0.50 ± 0.25
RM3225	3.20 ± 0.20	2.50 ± 0.15	0.5 ± 0.15	0.50 ± 0.25

■ Technical Standard

GJB1432B-2009 General Specification for Chip Film Fixed Resistors
Q/BDS 015-2014 RM Chip Thick Film Fixed Resistors Detailed Specification

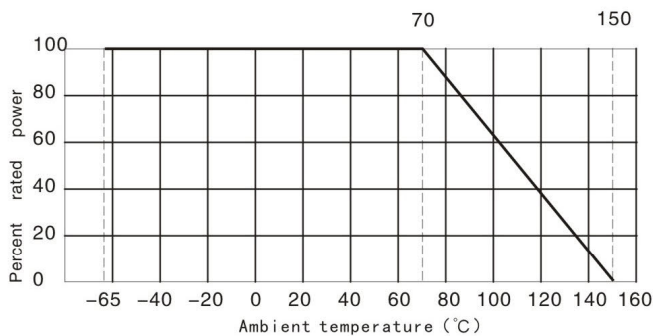
■ Application Area

RM type products are leadless structure, nickel and tin-lead plating on the surface to ensure the stability of the resistance value and the reliability of the solder joints, with small size, light weight, superior performance, reliable quality and other characteristics, widely used in aviation, aerospace, marine, radar, communications, automation, and other important military fields.

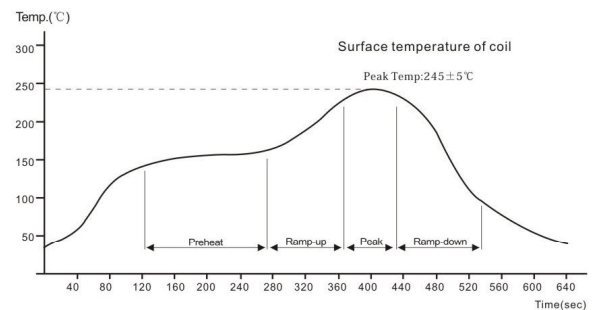
■ Technical Specifications

Type	RM1608	RM2012	RM3216	RM3225
Rated Power at 70°C(W)	0.063	0.10	0.25	0.50
Max Working Voltage (V)	50	50	100	150
Resistance Range(Ω)	10R ~ 1M	10R ~ 1M	10R ~ 2M	10R ~ 2M
Tolerance Range	D(± 0.5%), F(± 1.0%), J(± 5.0%)			
TC-Range(10 ⁻⁶ /K)	H(± 50), K(± 100), M(± 300)			

Derating Curve



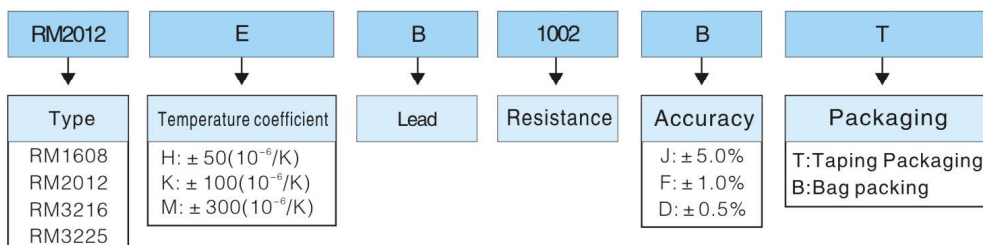
Surface Mount Resistor Reflow Profile



Performance Characteristics

Test Items	K (± 100(10 ⁻⁶ /K))	M (± 300(10 ⁻⁶ /K))	Test Method
Short Time Overload	$\Delta R \leq \pm (0.25\%R + 0.01 \Omega)$	$\Delta R \leq \pm (0.50\%R + 0.01 \Omega)$	2.5 times rated voltage, not more than 2 times Component limit voltage, 5s duration
Temperature Shock	$\Delta R \leq \pm (0.50\%R + 0.01 \Omega)$	$\Delta R \leq \pm (0.50\%R + 0.01 \Omega)$	-65°C ~ 150°C, 5 cycles.
Low Temp. Operation	$\Delta R \leq \pm (0.25\%R + 0.01 \Omega)$	$\Delta R \leq \pm (0.50\%R + 0.01 \Omega)$	-65°C, rated load voltage for 45mins
Resistance to Dry Heat	$\Delta R \leq \pm (0.50\%R + 0.01 \Omega)$	$\Delta R \leq \pm (0.10\%R + 0.01 \Omega)$	Storage at 150°C for 100h
Resistance to Solder	$\Delta R \leq \pm (0.25\%R + 0.01 \Omega)$	$\Delta R \leq \pm (0.25\%R + 0.01 \Omega)$	245°C ± 5°C, 60 ± 5S
Resistance to Moisture	$\Delta R \leq \pm (0.50\%R + 0.01 \Omega)$	$\Delta R \leq \pm (0.50\%R + 0.01 \Omega)$	10 cycles
Load Life	$\Delta R \leq \pm (0.50\%R + 0.01 \Omega)$	$\Delta R \leq \pm (0.50\%R + 0.01 \Omega)$	70°C, Rated load, 2000h

Examples for purchase



Packaging: Bulk in plastic bags(MOQ:1000pcs);5000pcs for taping.