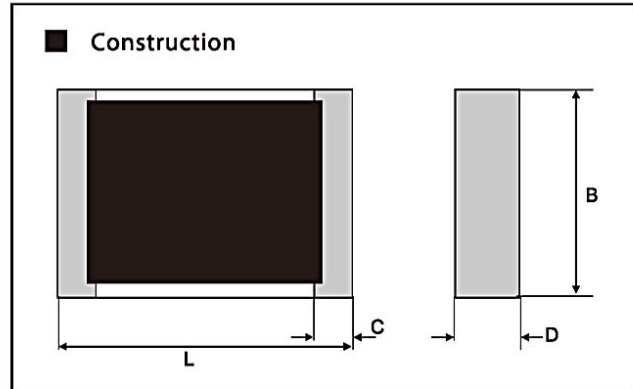


# Series RM

Thin film precision chip Resistors



## ■ Characteristics

- Thin Film Technology
- Resistance element resin--passivated
- High Precision (0.05%)
- Extremely Low Noise

## ■ Dimensions (mm)

Type	L	B	D	C
RM1005	1.00 ± 0.20	0.50 ± 0.13	0.25 ± 0.15	0.30 ± 0.20
RM1608	1.60 ± 0.20	0.80 ± 0.13	0.40 ± 0.15	0.30 ± 0.20
RM2012	2.00 ± 0.20	1.25 ± 0.13	0.50 ± 0.15	0.40 ± 0.20
RM3216	3.20 ± 0.20	1.60 ± 0.13	0.50 ± 0.15	0.50 ± 0.20
RM3225	3.20 ± 0.20	2.50 ± 0.15	0.50 ± 0.15	0.50 ± 0.20

## ■ Technical Standard

GJB1432B-2009 General Specification for Chip Film Fixed Resistors

Q/BDS 020-2018 Detailed Specification for RM Type Chip Film Fixed Resistors

## ■ Application Area

RM type products are leadless structure, nickel and pure tin plating on the surface to ensure the stability of resistance value and reliability of solder joints, with small size, light weight, superior performance, reliable quality and other characteristics, widely used in smart meters, test equipment, industrial control instruments and other instruments and meters.

## ■ Technical Specifications

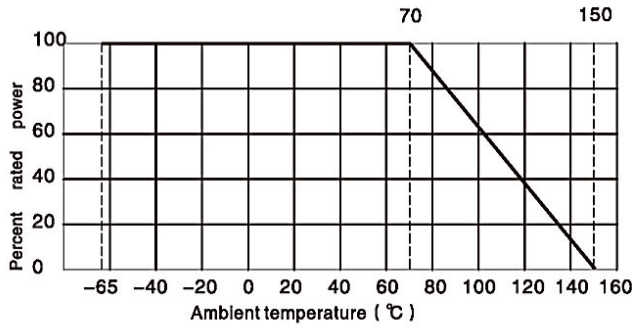
Type	RM1005	RM1608	RM2012	RM3216	RM3225
Rated Power at 70°C(W)	0.05	0.10	0.15	0.25	0.50
Max Working Voltage (V)	25	50	50	100	150
Resistance Range(Ω)	10R ~ 50K	10R ~ 260K	10R ~ 510K	10R ~ 1M	10R ~ 1M
Tolerance Range	W(±0.05%), B(±0.1%), C(±0.25%), D(±0.5%), F(±1.0%)				
TC-Range(10 <sup>-6</sup> /K)	C6(±10), C5(±15), C4(±20), C3(±25), C2(±50)				

# Series RM

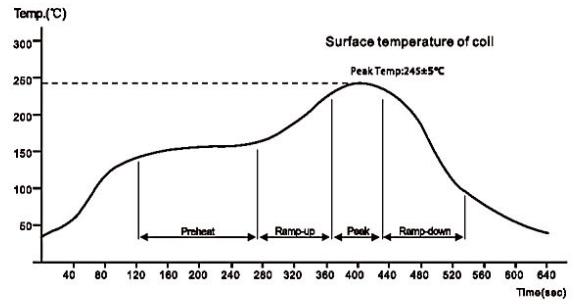
Thin film precision chip Resistors



## Derating Curve



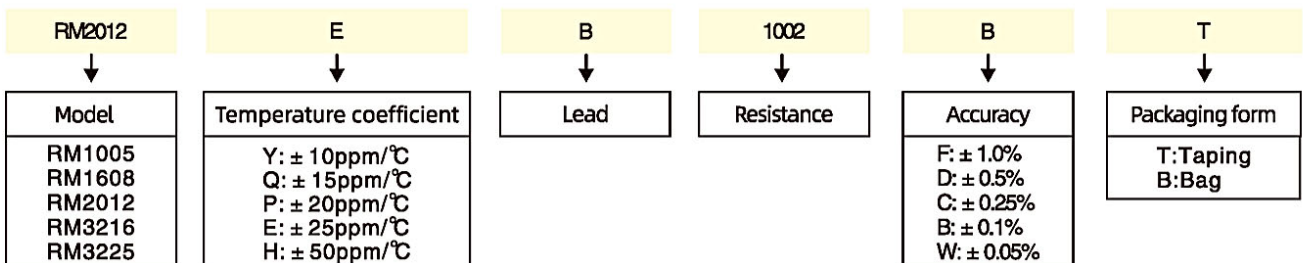
## Surface Mount Resistor Reflow Profile



## Performance Characteristics

Test Items	Standards	Actual Measured Data	Test Method
Short Time Overload	$\Delta R \leq \pm(0.10\%R + 0.01\Omega)$	$\leq \pm 0.01\%$	2.5 times the rated voltage, not exceeding 2 times the limiting voltage of the component, lasting 5s
Temperature Shock	$\Delta R \leq \pm(0.10\%R + 0.01\Omega)$	$\leq \pm 0.03\%$	-65°C~150°C, 5 cycles
Low Temp. Operation	$\Delta R \leq \pm(0.10\%R + 0.01\Omega)$	$\leq \pm 0.01\%$	-65°C, rated load voltage 45min
Resistance to Dry Heat	$\Delta R \leq \pm(0.10\%R + 0.01\Omega)$	$\leq \pm 0.05\%$	Storage at 150°C for 100h
Resistance to Solder	$\Delta R \leq \pm(0.20\%R + 0.01\Omega)$	$\leq \pm 0.01\%$	245°C±5°C, 60±5S
Resistance to Moisture	$\Delta R \leq \pm(0.20\%R + 0.01\Omega)$	$\leq \pm 0.1\%$	10 cycles
Load Life	$\Delta R \leq \pm(0.50\%R + 0.01\Omega)$	$\leq \pm 0.05\%$	70°C, rated load, 2000h

## Examples for purchase



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