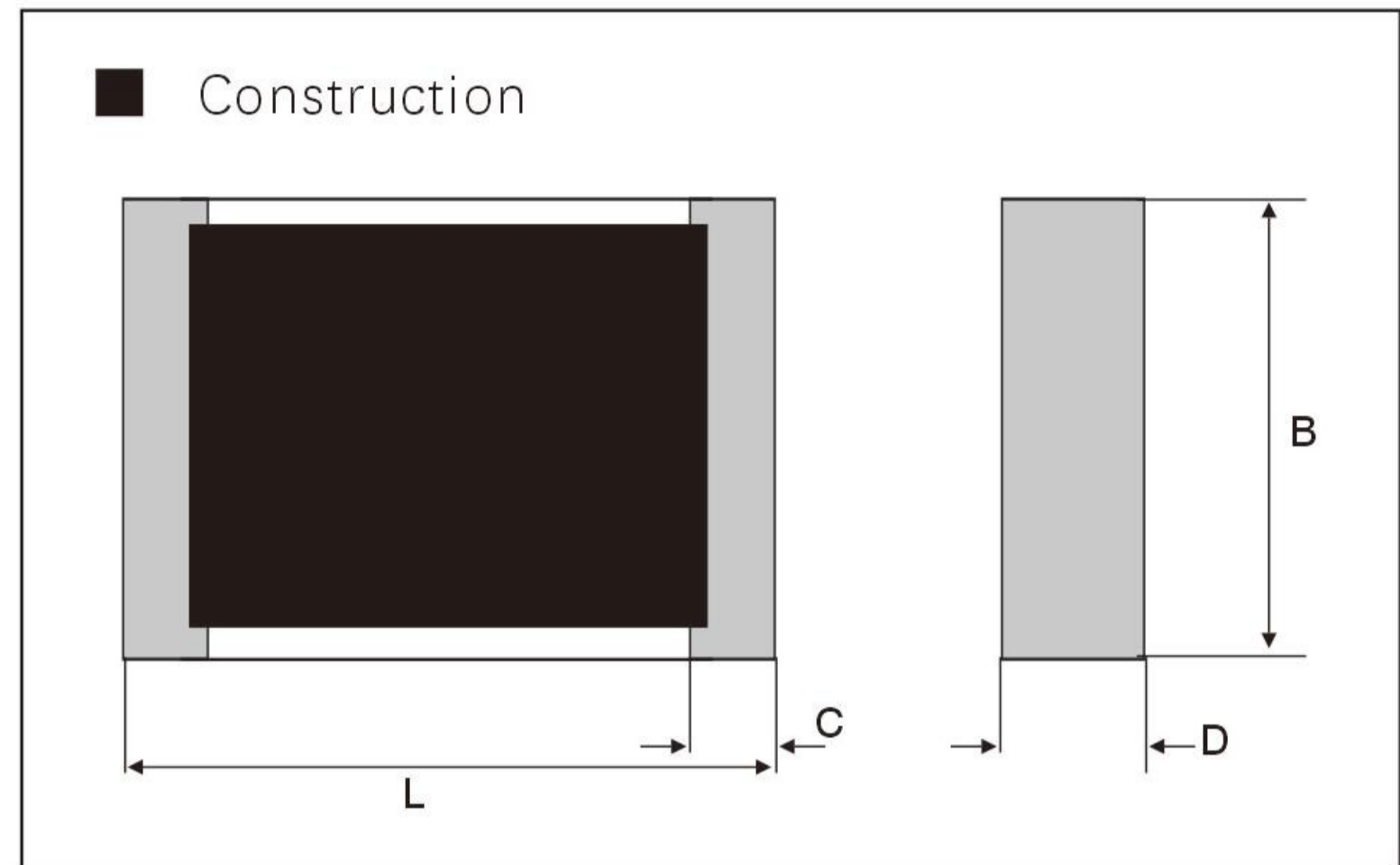


Series RM

Thin film precision chip Resistors



■ Characteristics

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

■ Dimensions (mm)

Model	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

GJB 1432C-2021 General specification for fixed film chip resistors
 Q/BDS 020A-2024 Resistors, fixed, film chip, type RM, detail specification for

■ Application Area

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

■ Technical Specifications

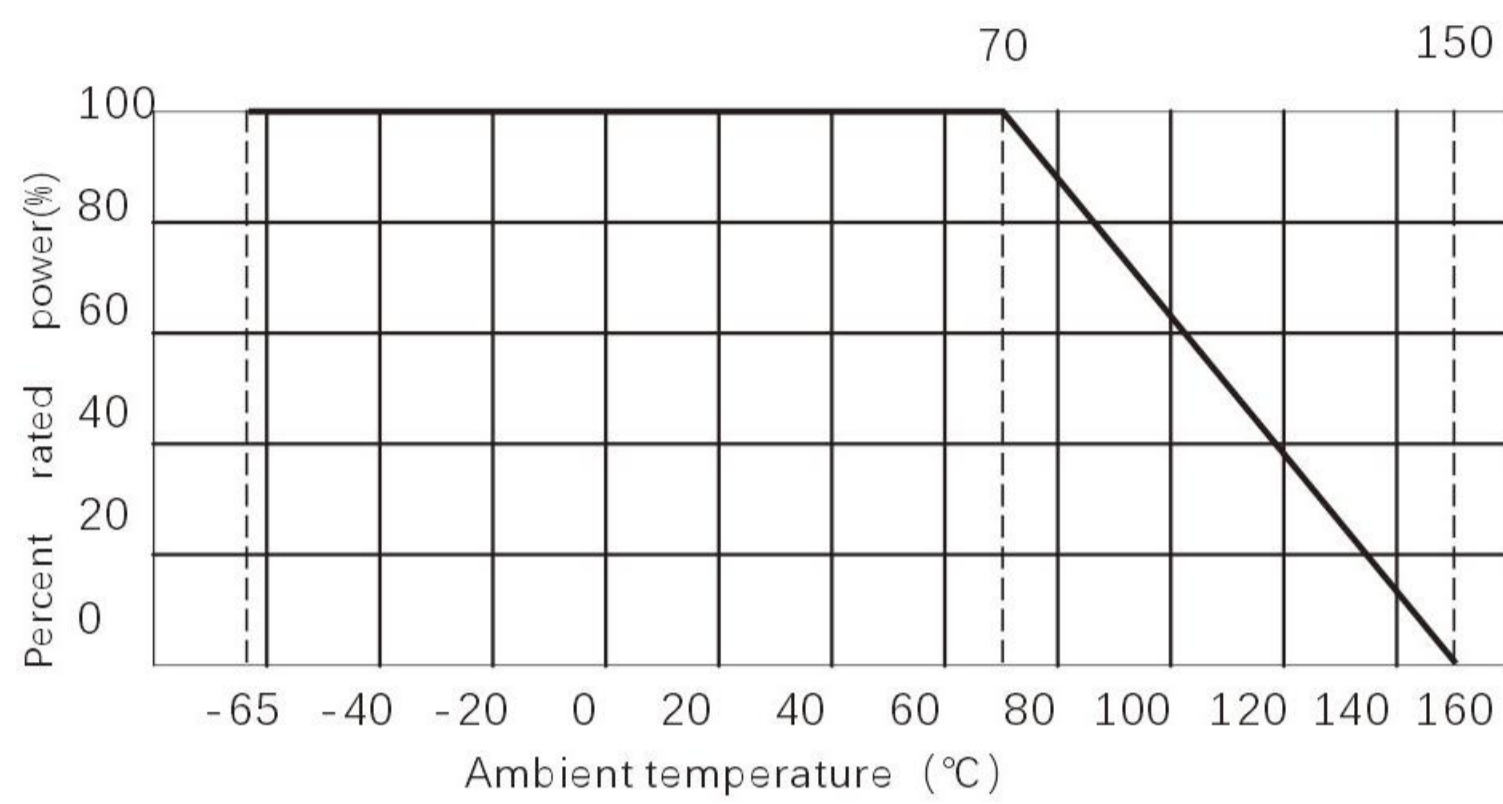
Type	RM1005	RM1608	RM2012	RM3216	RM3225
Rated Power at 70°C(W)	0.05	0.10	0.15	0.25	0.50
Max Working Voltage (V)	25	50	50	100	150
Resistance Range(Ω)	10R ~ 50K	10R ~ 260K	10R ~ 510K	10R ~ 1M	10R ~ 1M
Tolerance Range	W(±0.05%), B(±0.1%), C(±0.25%), D(±0.5%), F(±1.0%)				
TC-Range(10 ⁻⁶ /K)	Y(±10), Q(±15), P(±20), E(±25), H(±50)				

Series RM

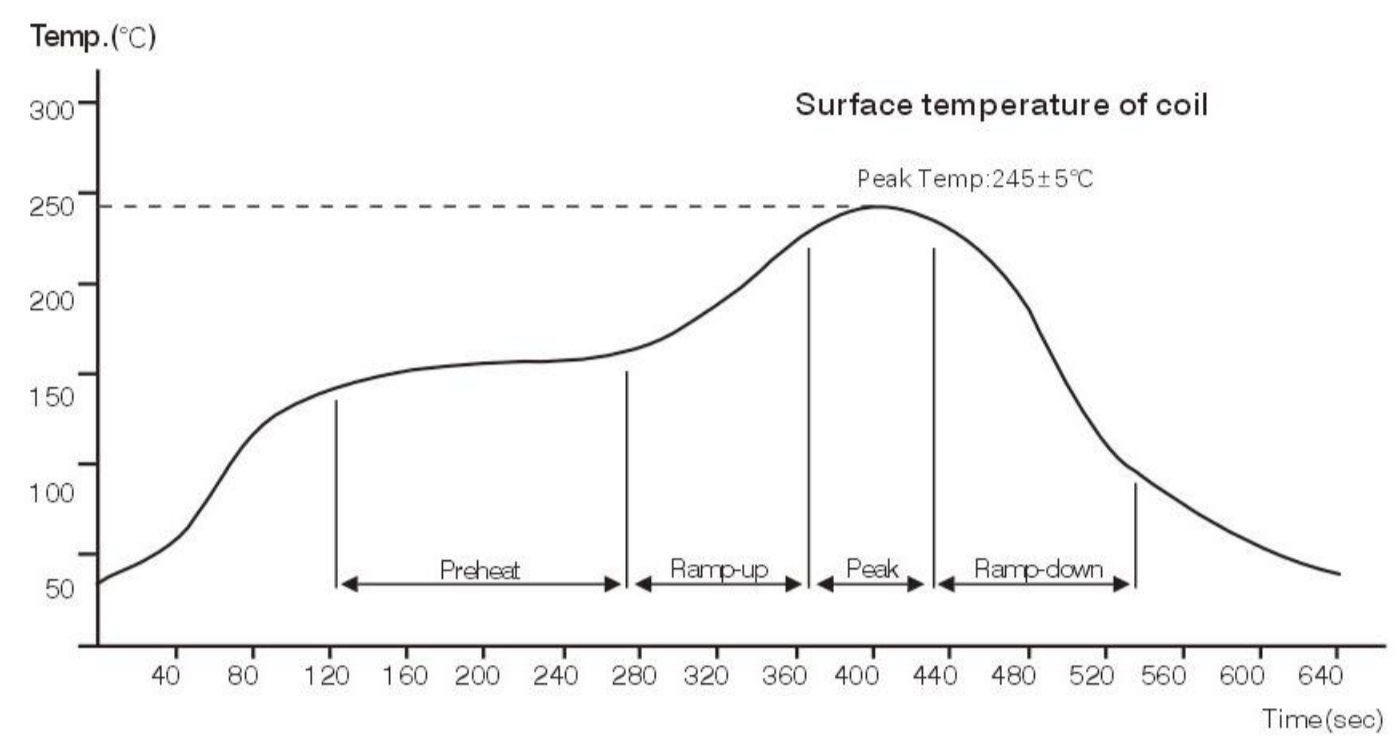
Thin film precision chip Resistors



Derating Curve



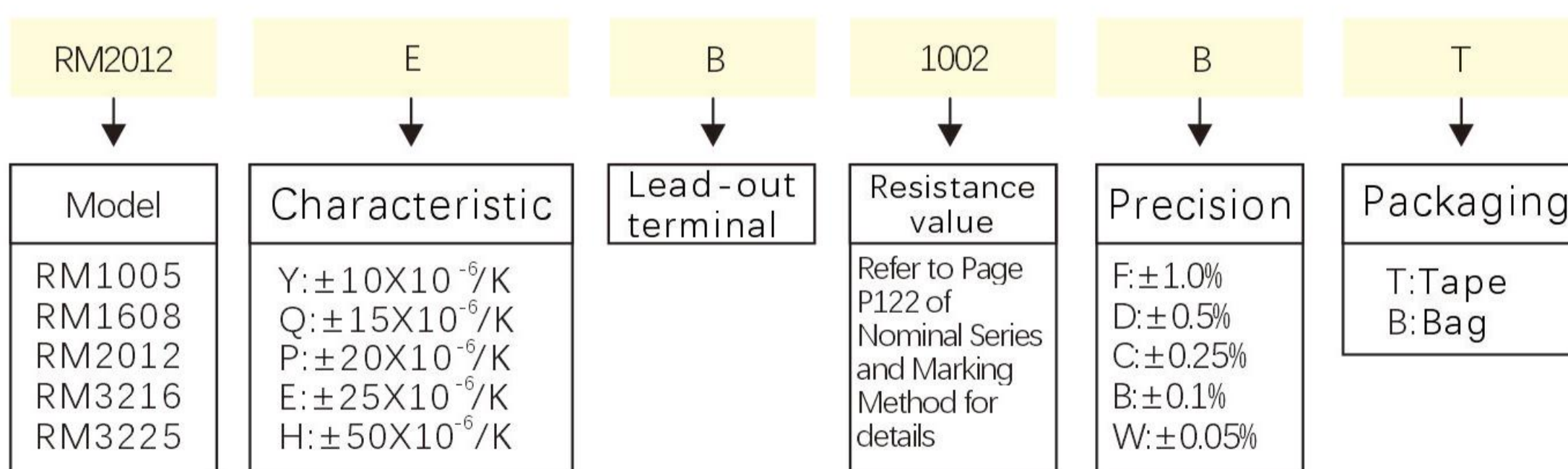
Surface Mount Resistance Reflow Soldering Plot



Performance Characteristics

Test Items	Standards	Test Method
Short Time Overload	$\Delta R \leq \pm(0.10\%R + 0.01\Omega)$	2.5 times of rated voltage, not more than 2 times of component limit voltage, lasting for 5S
Temperature Shock	$\Delta R \leq \pm(0.10\%R + 0.01\Omega)$	-65°C ~ 150°C, 5cycles,
Low Temp. Operation	$\Delta R \leq \pm(0.10\%R + 0.01\Omega)$	-65°C, Rated load voltage 45min
Resistance to Dry Heat	$\Delta R \leq \pm(0.10\%R + 0.01\Omega)$	Stored at 150 °C for 100h
Resistance to Solder	$\Delta R \leq \pm(0.20\%R + 0.01\Omega)$	245°C ±5°C, 60 ±5S
Resistance to Moisture	$\Delta R \leq \pm(0.20\%R + 0.01\Omega)$	-10°C ~ 65°C, RH80-100%, 240h
Load Life	$\Delta R \leq \pm(0.50\%R + 0.01\Omega)$	70°C, Rated load, 2000h

Examples for purchase



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