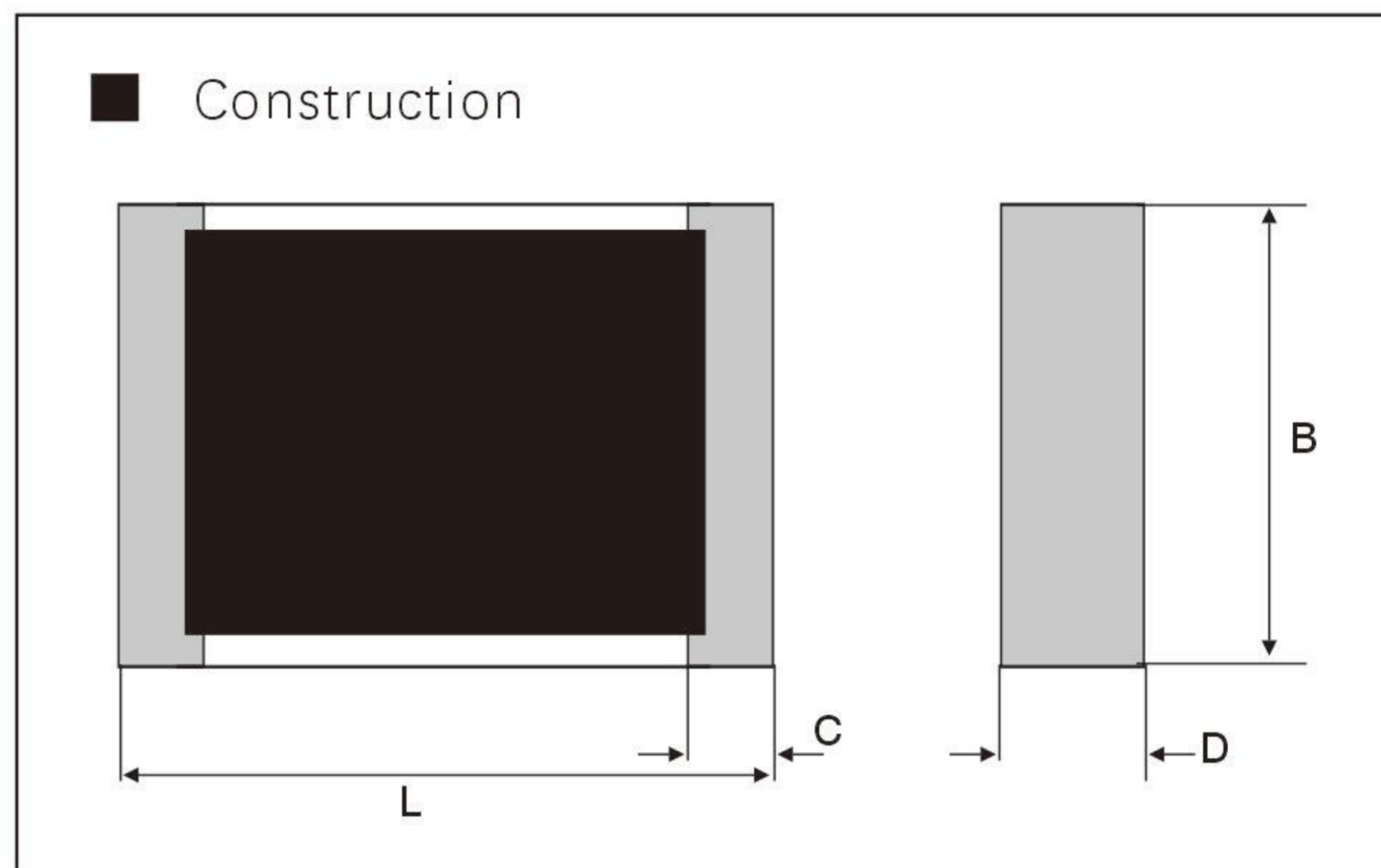
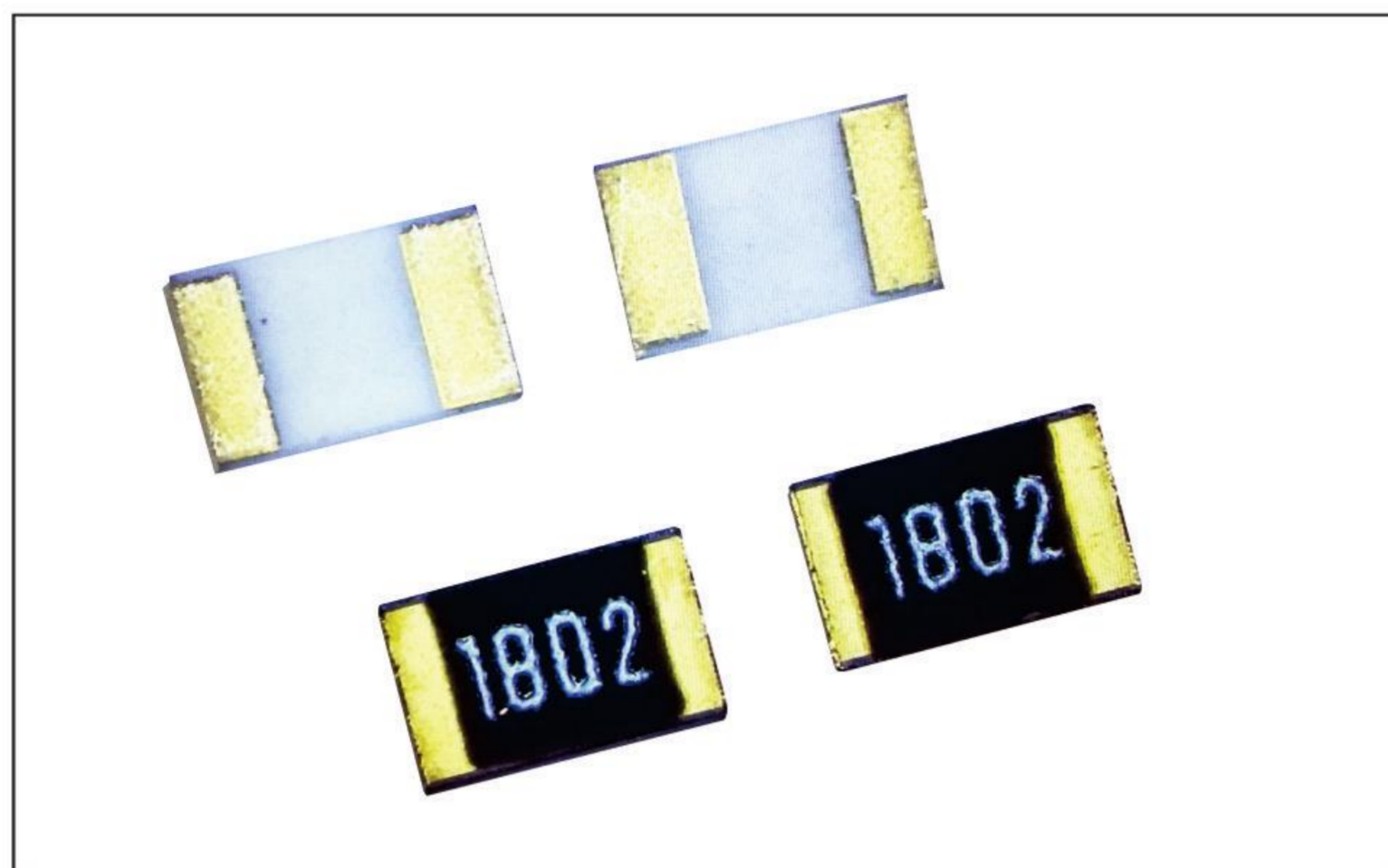


# Series CGR-B

Thin Film Chip Resistor



## ■ Characteristics

- Thin Film Technology
- Contact areas Au
- Resistance element resin-passivated
- Extremely Low Noise

## ■ Dimensions (mm)

Model	L	B	D	C
CGR-B0603	1.60±0.20	0.80±0.13	0.40±0.15	0.30±0.20
CGR-B0805	2.00±0.20	1.25±0.13	0.50±0.15	0.40±0.20
CGR-B1206	3.20±0.20	1.60±0.13	0.50±0.15	0.50±0.20
CGR-B1210	3.20±0.20	2.50±0.15	0.50±0.15	0.50±0.20
CGR-B0402	1.00±0.20	0.50±0.13	0.25±0.15	0.30±0.20

## ■ Technical Standard

GJB1432B-2009 General specification for fixed film chip resistors

## ■ Application Area

The CGR-B type adhesive chip film resistor uses gold material as the electrode layer at the end of the product, and is applied to the conductive adhesive bonding process, which can avoid the chemical reaction of silver and tin migration with the conductive silver adhesive, resulting in product failure.

## ■ Technical Specifications

Type	CGR-B0402	CGR-B0603	CGR-B0805	CGR-B1206	CGR-B1210
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)	100R~50K	100R ~ 260K	100R ~ 510K	100R ~ 1M	100R ~ 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)				

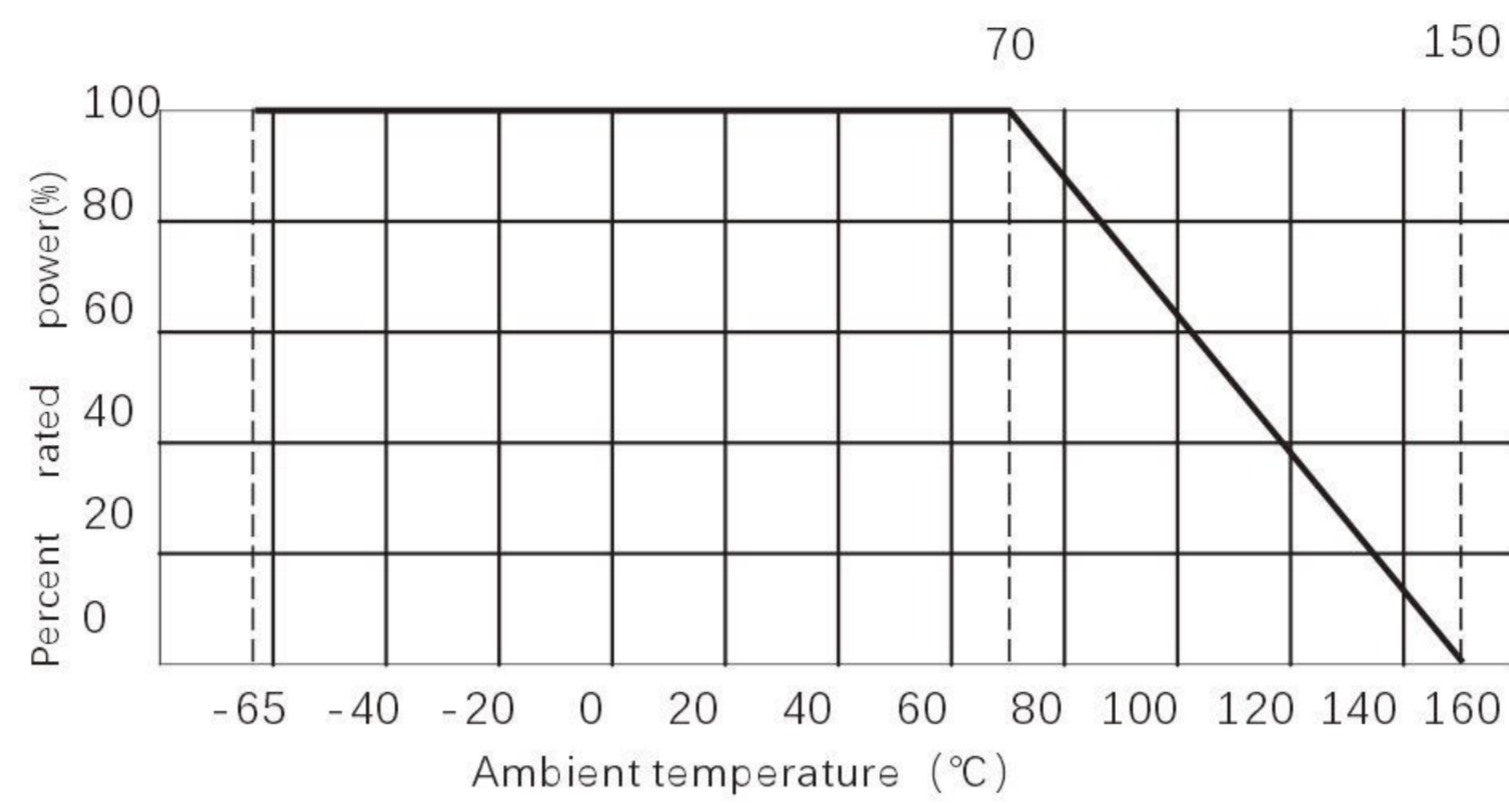


# Series CGR-B

## Thin Film Chip Resistor



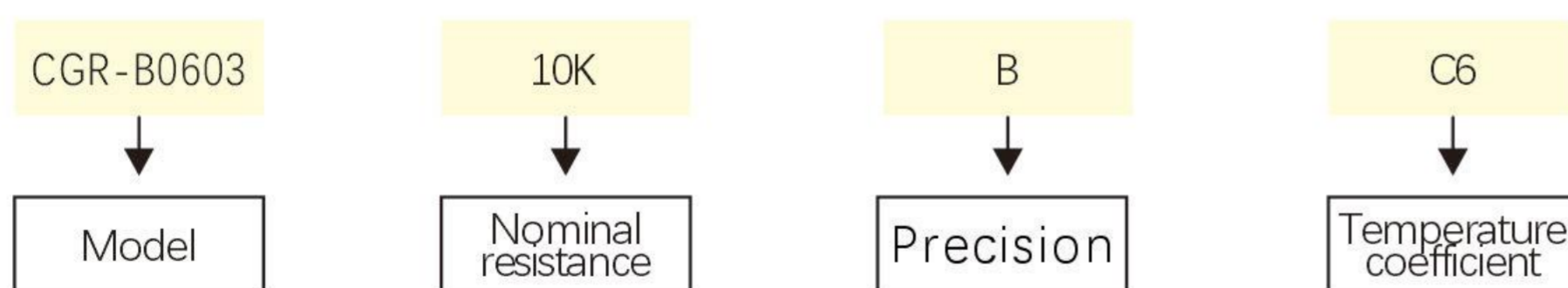
### Derating Curve



### 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, 10cycles,
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 125 °C for 100h
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, DC working voltage at rated load, 1.5 H on, 0.5 H off, 2000 H

### Examples for purchase



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