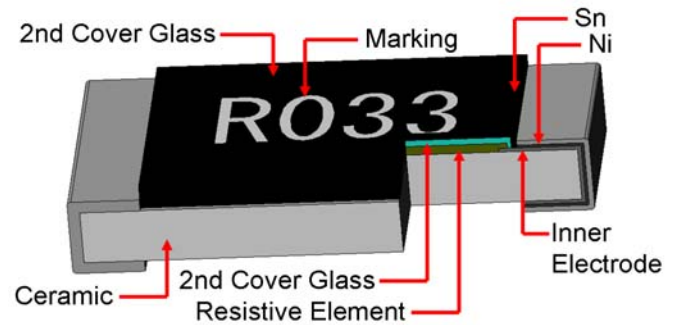


### Features

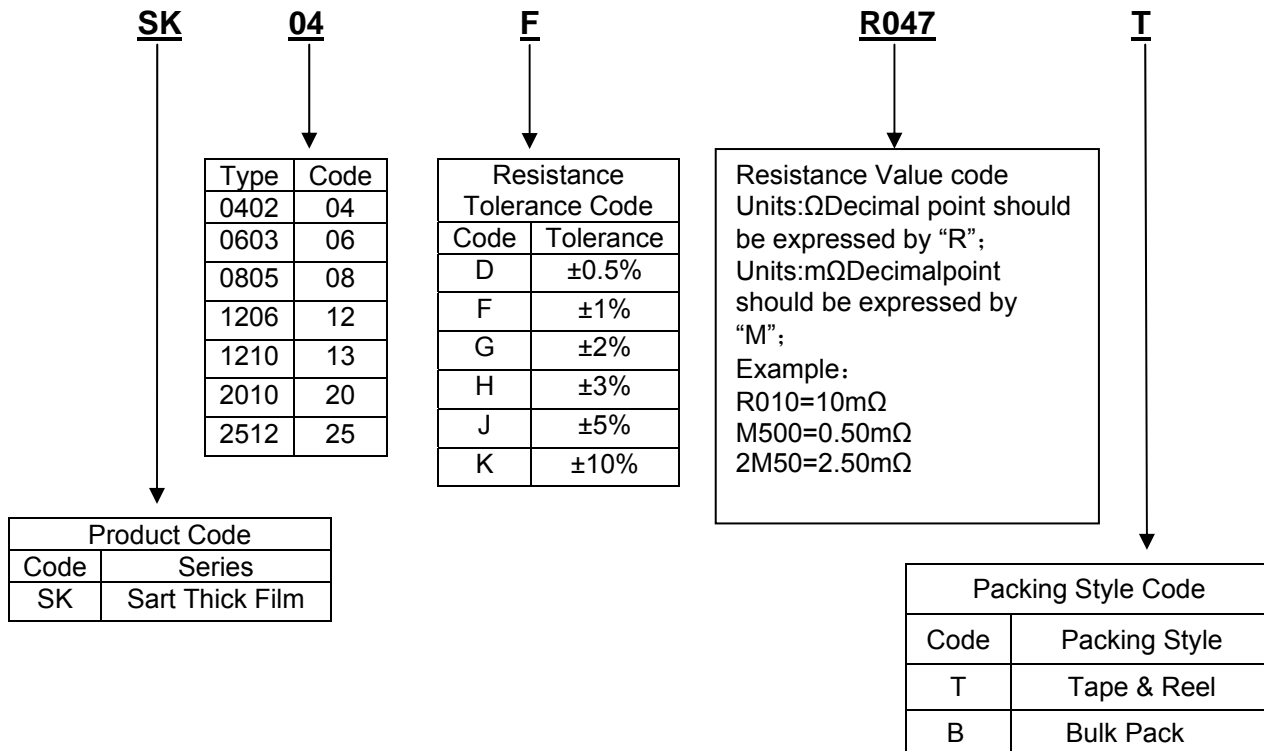
- Resistance Values from 10 to 1000m ohms
- Low TCR from  $\pm 100$  PPM/ $^{\circ}$ C
- Suit for re-flow and wave flow solder
- Stable electrical capability, high reliability
- Suit for automatic SMT equipment
- Superior mechanical and frequency characteristics
- RoHS compliant and Halogen free



### Applications

Switching Power Supply、Over Current Protection in Audio Application、Voltage Regulation Module(VRM)、DC-DC Converter、Charger、Automotive Engine Control、Portable Devices etc.

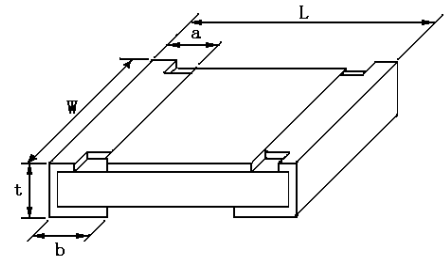
### Type Designation



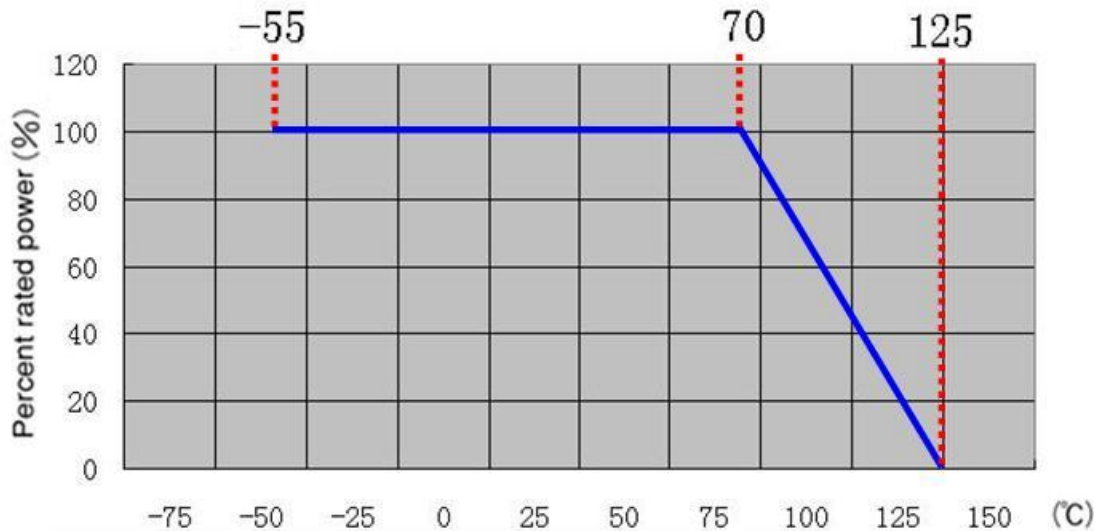
### Reference Standard

■ Shape & Dimensions

Type	L (mm)	W(mm)	t (mm)	a&b (mm)
0402	1.00±0.10	0.50±0.10	0.30±0.10	0.20±0.10
0603	1.60±0.15	0.80±0.15	0.40±0.10	0.30±0.20
0805	2.00±0.20	1.25±0.15	0.50±0.10	0.40±0.20
1206	3.20±0.20	1.60±0.15	0.55±0.10	0.50±0.20
1210	3.20±0.20	2.50±0.20	0.55±0.10	0.50±0.20
2010	5.00±0.20	2.50±0.20	0.55±0.10	0.60±0.20
2512	6.40±0.20	3.20±0.20	0.55±0.10	0.60±0.20



■ Derating Curve



■ Rating

Item Type	Power Rating at 70°C	Resistance Tolerance	Resistance (mΩ)	TCR (ppm/°C)	Maximum Working Voltage(V)	Operating Temperature Range
0402	1/16W	±1%,±2%,±3%,±5%	50~100	±400	$(P \times R)^{1/2}$	-55°C~+125°C
			101~500	±300		
			501~1000	±200		
0603	1/10W	±1%,±2%,±3%,±5%	100~300 301~1000	±250 ±150		
0805	1/8W					
1206	1/4W					
1210	1/3W					
2010	3/4W					
2512	1W					