

Anti-sulfurated · jumper chip (RXC series)

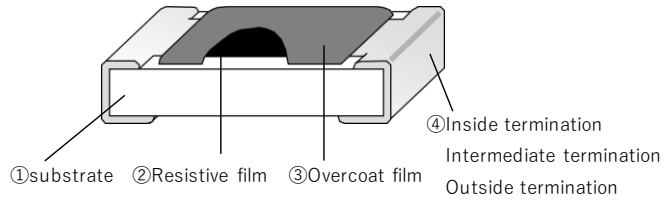
RXC03 (0402) RXC05 (0603) RXC10 (0805)
 RXC18 (1206) RXC33 (1210) RXC50 (2010)
 RXC1S (2512) *(): Inch size

Not recommended : RXC18(1206) , RXC33(1210)
EOL (End of life) : RXC50(2010) , RXC1S(2512)

■ Features

- This product is Jumper chip (0Ω).
- The use of special termination contribute to high performance of anti-sulfuration.
- RoHS qualified
- ELV qualified
- AEC-Q200 qualified

■ Structure

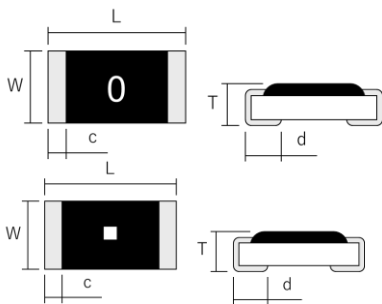


*This is only a schematic drawing of the structure.

■ Part No. Explanation (Example)

R	X	C	0	3	T	0	R	0	
Product type			Size		Packaging form		Nominal resistance value		Resistance tolerance
RXC : Jumper chip			03:0402 05:0603 10:0805 18:1206 33:1210 50:2010 1S:2512		T : 4mm pitch taping φ 180 reel (RXC 03 is 2mm pitch)		0R0 only		Blank

■ Dimensions



- * External dimensions are for reference only.
- Overcoat film color : black
- Indication color of resistance value : yellow
- * RXC03 has no indication of resistance value.
- Yellow ■ shows anti-sulfuration series.

	L	W	T	c	d
RXC03	1.00 ± 0.05	0.50 ± 0.05	0.35 ± 0.05	0.20 ± 0.10	0.25 ^{+0.05} _{-0.10}
RXC05	1.60 ± 0.15	0.80 ± 0.15	0.45 ± 0.10	0.30 ± 0.15	0.20 ^{+0.20} _{-0.10}
RXC10	2.00 ± 0.15	1.25 ± 0.15	0.55 ^{+0.10} _{-0.05}	0.35 ^{+0.20} _{-0.15}	0.30 ^{+0.20} _{-0.10}
RXC18	3.10 ^{+0.20} _{-0.10}	1.55 ± 0.15	0.55 ^{+0.10} _{-0.05}	0.45 ± 0.20	0.35 ± 0.15
RXC33	3.10 ^{+0.20} _{-0.10}	2.60 ± 0.15	0.60 ± 0.10	0.45 ± 0.20	0.35 ± 0.15
RXC50	5.00 ± 0.15	2.50 ± 0.15	0.60 ± 0.10	0.60 ± 0.20	0.60 ± 0.20
RXC1S	6.30 ± 0.20	3.20 ± 0.20	0.60 ± 0.10	0.60 ± 0.20	0.60 ± 0.20

Not recommended : RXC18(1206) , RXC33(1210) (Unit: mm)
 EOL (End of life) : RXC50(2010) , RXC1S(2512)

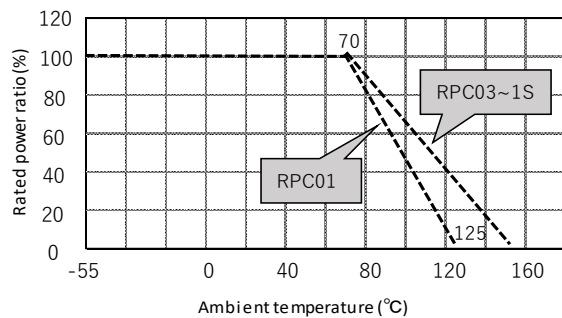
■ Ratings

	Rated current	Maximum overload current	Conducted resistance value	Category temperature range
RXC03	1A	2.5A	50mΩ or less	-55°C~+155°C
RXC05	2A	5A	50mΩ or less	-55°C~+155°C
RXC10	2A	5A	50mΩ or less	-55°C~+155°C
RXC18	2A	5A	50mΩ or less	-55°C~+155°C
RXC33	2A	5A	50mΩ or less	-55°C~+155°C
RXC50	2A	5A	50mΩ or less	-55°C~+155°C
RXC1S	2A	5A	50mΩ or less	-55°C~+155°C

■ Specifications and test methods

Item	Specifications	Test method
Resistance value	50mΩ or less	JIS C5201-1 4.5
Overload	50mΩ or less	JIS C5201-1 8.1 Testing current = maximum overload current
Bend strength of the face plating	50mΩ or less	JIS C5201-1 9.8 Bending distance : 3mm
Resistance to soldering heat	50mΩ or less	JIS C5201-1 11.2 260 ± 5°C.10(sec.)
Solderability	Covered with more than 95%	JIS C5201-1 11.1 245 ± 3°C.2(sec.)
Rapid change of temperature	50mΩ or less	JIS C5201-1 10.1 -55°C ⇄ +125°C,1000(times)
Loadlife in humidity	50mΩ or less	60 ± 2°C.90~95% R.H 1000h Testing current = maximum overload current
Endurance at 70°C	50mΩ or less	JIS C5201-1 7.1 70 ± 2°C.1000h Testing current = maximum overload current

■ Derating curve



* Rated power of the resistor is the maximum power which can be loaded continuously at the ambient temperature of 70°C. For the ambient temperature above 70°C, please use according to the load derating curve (dotted line). Please note that the component surface temperature does not exceed operating temperature range.