Anti-sulfurated・jumper chip （RXC series）

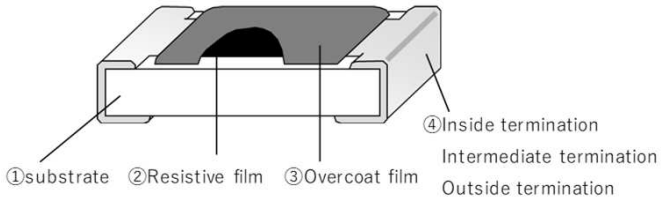
RXC03（0402） RXC05（0603） RXC10（0805）
RXC18（1206） RXC33（1210） RXC50（2010）
RXC1S（2512） *( ): Inch size

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



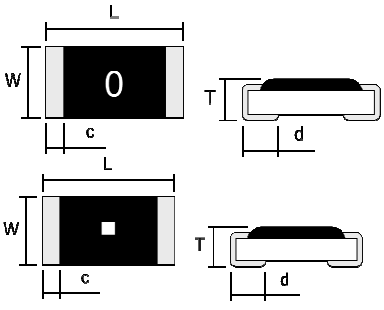
*This is only a schematic drawing of the structure.

■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 ϕ180 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

(Unit: mm)

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

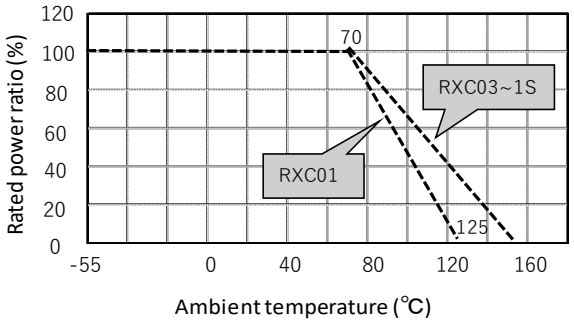
■Ratings

	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.