

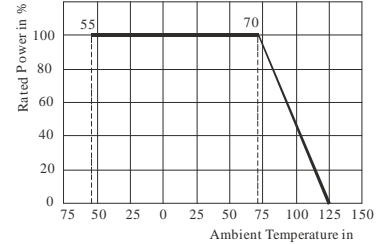
- Excellent temperature characteristic, wide resistance range, high accuracy
- Be applicable for electronic communication, and household appliances etc

RJ13 14 15 16 17
RJ13 14 15 16 17 Metal film resistor

Applicable specifications

- GB/T5729-2003
- SJ/T1113-1999 RJ13
- GB5873-1986 RJ14
- GB7275-1987 RJ15
- Q/RU221-2014 RJ16,17
- IEC68

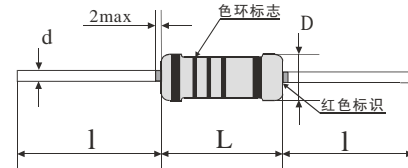
Derating



Dimensions in millimeters

Type	(mm) Resistance Element		(mm) Terminal		26
	D	L	d	l 2	
RJ13	1.9	0.2	3.5	0.3	0.5
RJ14	2.3	0.2	6.5	0.3	0.6
RJ15	3.5	0.4	9.6	0.5	0.7
RJ16	4.0	0.5	12.4	0.6	0.8
RJ17	5.9	0.6	15.9	1.1	0.8

Dimension



Technical and standard electrical specifications

Type	P _R (W)	Resistance range (Ω)	Resistance series	Resistance Tolerance (%)	TCR ×10 ⁻⁶ /°C	(Limiting Element Voltage (DC or AC effective value) (V))	(V _{AC} (AC effective value) (V))
RJ13	1/6	1 5.1M	E24 E48 E96 E192	5	51K 25 50 100 50 100	150	250
		1 2M		(0.5 1 2 5)			
RJ14	1/4	1 20M		(0.5 1 2 5)			
		1 10M		(1 2 5)			
RJ15	1/2	1 20M		(0.5 1 2 5)			
RJ16	1	1 10M		(0.5 1 2 5)			
RJ17	2	1 10M	(0.5 1 2 5)				

Performance

Test	Conditions of Test	Test Limits
Insulation Voltage	V, V-block Method, voltage follow the upper table, 1min	No breakdown or flashover
Solder Ability	265±5°C, 2±0.5s	≥95% ≥95% of the dipped surface covered
Over-Load	2.5 U _R or 2U _{max} whichever smaller, 5s	ΔR≤±(0.5%R+0.05Ω)
Terminal Strength	Pull: 5N(RJ13), 10N(others), Bend: 2times Twist: 180°, 2times	
Resistance to Soldering Heat	260±5°C, 10±1s	
Vibration	10Hz ~ 500Hz, 0.75mm or 10g (whichever smaller), 6h	
Rapid Change of Temperature	-55°C ~ +125°C, 5 cycles	ΔR≤±(2%R+0.1Ω)
Climate Sequence	GB/T5729-2003, 4.23 item	
Electrical Endurance	70°C±2°C, U _R or U _{max} (whichever smaller), 1000h	
Endurance at Upper Grade Temperature	U=0, 125°C, 1000h	
Damp heat, steady state	40±2°C, RH:(90~95)%, 56days	

Ordering information

RJ15 - 1/2W - 1KΩ - J

Type — Rated Power — Nominal Resistance — Tolerance

Specifications are subject to change without notice.