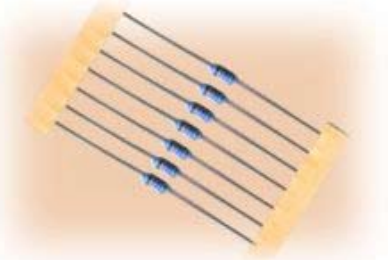




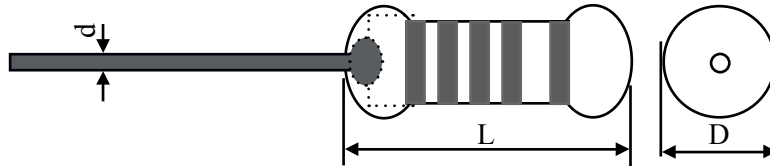
Precision Resistors

RJ Series - Precision Resistors / 精密电阻

- MF - Metal Film use nickel-chromium or a similar alloy deposited on a ceramic rod by a vacuum process of evaporation or sputtering.
- The final resistance value is (most commonly) defined by cutting an insulating path through the film along the length of the rod while keeping it in rotation.
- The technology is capable of supporting accuracy characteristics over a broad resistance range.
- Types include axial through-hole and metal film fusible for special purpose.



► RJ Resistor Quick Reference Data



Type	RJ72	RJ73	RJ74	RJ16	RJ17	RJ18	
MIL-R-10509F type	RN50	RN55	RN60	RN65	RN70	RN75	
Resistance range (Ω)	0.1 ~ 22M						
Resistance tolerance (%)	A5 (± 0.05), B (± 0.10), C (± 0.25), D (± 0.5), F (± 1), J (± 5.0)						
Temperature coefficient (ppm/ $^{\circ}$ C)	C7 (± 5), C6 (± 10), C5 (± 15), C3 (± 25), C2 (± 50), C1 (± 100)						
Climatic category (LCT/UCT/days)	55 / 125 / 56						
Rated dissipation (W) P70	0.16	0.25	0.50	1.0	2.0	3.0	
Operating voltage (V) U_{max}	200	250	300	350	450	500	
Short time over load voltage (V) U_{max}	400	500	600	700	900	1000	
Operating Temperature range	-55 $^{\circ}$ C to 125 $^{\circ}$ C						
Insulation voltage	>500V						
Insulation resistance	>1G Ω						
Dimensions (mm)	L (Max.)	3.8	6	10	12	16	26
	D (Max.)	2.0	2.5	3.5	4.5	5.5	8.6
	d \pm 0.1	0.45	0.5	0.6	0.7	0.8	0.8

Type	RJ73S	RJ74S	RJ16M	RJ16S	RJ17M	RJ17S	RJ18M	RJ18S	
MIL-R-10509F type	RN50	RN55	RN60	RN60	RN65	RN65	RN70	RN70	
Resistance range (Ω)	0.1 ~ 22M								
Resistance tolerance (%)	A5 (± 0.05), B (± 0.10), C (± 0.25), D (± 0.50), F (± 1.0), J (± 5.0)								
Temperature coefficient (ppm/ $^{\circ}$ C)	C7 (± 5), C6 (± 10), C5 (± 15), C3 (± 25), C2 (± 50), C1 (± 100)								
Climatic category (LCT/UCT/days)	55 / 125 / 56								
Rated dissipation (W) P70	0.25	0.50	1.00	1.00	2.00	2.00	3.00	3.00	
Operating voltage (V) U_{max}	250	300	350	350	400	400	450	450	
Short time over load voltage (V) U_{max}	500	600	700	700	800	800	900	900	
Operating Temperature range	-55 $^{\circ}$ C to 125 $^{\circ}$ C								
Insulation voltage	>500V								
Insulation resistance	>1G Ω								
Dimensions (mm)	L (Max.)	3.8	6.0	6.3	10	10	12	12	16
	D (Max.)	2.00	2.54	2.54	3.50	3.50	4.50	4.50	5.50
	d \pm 0.1	0.5	0.6	0.6	0.6	0.7	0.8	0.8	0.8

Notice : Resistance out of range, tolerance and temperature coefficient match are under request.



Precision Resistors

► How to Order

RJ16

①

10R

②

B

③

C6

④

P

⑤

① Product type: RJ72, RJ73, RJ74, RJ16, RJ17, RJ18
RJ73S, RJ74S, RJ16M, RJ16S, RJ17M, RJ17S, RJ18M, RJ18S

② Resistance Value (Ω): 0.1 ~ 22M

③ Resistance Tolerance (%)

Code	Resistance Tolerance (%)
A5	± 0.05
B	± 0.10
C	± 0.25
D	± 0.50
F	± 1.00
J	± 5.00

④ Temperature Coefficient (ppm/ $^{\circ}$ C)

Code	Temperature Coefficient (ppm/ $^{\circ}$ C)
C7	± 5
C6	± 10
C5	± 15
C3	± 25
C2	± 50
C1	± 100

⑤ Packaging

Code	Packaging
P	Bulk
TB	Taping Box

