

- High stability, high accuracy, small size, low TCR
- Applied to the field of precision meter, auto control, national defense engineering etc.
- MIL10509F (MIL10509F qualified)

### RJ79

### RJ79 High stability, precision, metal film resistor

#### Applicable specification

- GJB1929-94
- Q/RU21929-11-2005 RJ79 EE
- GJB360-1987

#### Dimensions

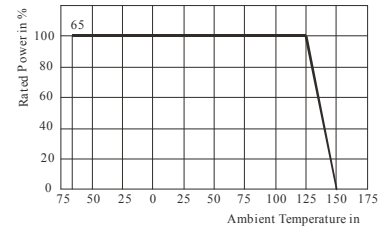
#### Dimension(mm)

Type	Resistor dimension		Terminal dimension	
	L±0.3	ΦD±0.4	Φd±0.05	C±3
RJ79-0.125W	6.8	2.5	0.6	35
RJ79-0.25W	10	3.7		
RJ79-0.5W	14.8	5.2		

#### Main Specification

Type	70 Rated power consumption at 70 W	Resistance range Ω	Resistance tolerance ± %	E-series	TCR ≤±(×10 <sup>-6</sup> / )	Limiting element voltage (DC or AC effective value)
RJ79	0.125	10 3M	0.02 P 0.05(W) 0.1(B) 0.25(C) 0.5(D) 1(F)	E192	5 10 15 25 50	200

#### Derating



#### Performance

Test	Conditions of Test	Test Limits
Thermal Shock	-65°C +150°C 5 cycles	R ±(0.25%R+0.05Ω)
Operation at low temperature	-65°C, 1h, U <sub>R</sub> , 45min	
Impulse	100g, 6ms, sawtooth wave	
High frequency vibration	10Hz 2000Hz, 36 (36 times), 20min/ (20min/each time)	
Over-load	2.5U <sub>R</sub> or 2U <sub>max</sub> , 5s	R ±(0.25%R+0.05Ω)
Dielectric withstand voltage	450V(0.125W, 0.25W), 900V(0.5W), V <sub>AC</sub> , 1min	
Solderability	245 5 , 5s 0.5s	(area of wicking) 95%
Resistance to soldering heat	350°C±10°C, 3 s±0.5s,	R ±(0.1%R+0.05Ω), No mechanical damage
Moisture Resistance	RH:80 98%, -10°C +65°C, 24h(U <sub>R</sub> U <sub>MAX</sub> , 4h)10 (Times)	R ±(0.5%R+0.05Ω), No mechanical damage, R <sub>I</sub> 100MΩ
Life	125°C, U <sub>R</sub> , 1.5h (Power on) 0.5h (Power off), (duration): 1000h	R ±(0.5%R+0.05Ω), (No mechanical damage)
Insulation resistance	100V±10 , V <sub>DC</sub> , 2min	R <sub>I</sub> 10GΩ
Terminal strength	(Pull): 25N , 10s	R ±(0.2%R+0.05Ω), No mechanical damage

#### Ordering information

RJ79 - 0.25W - 1M ±0.1% ±15×10<sup>-6</sup>/

Type- Power- Resistance- Tolerance-TCR