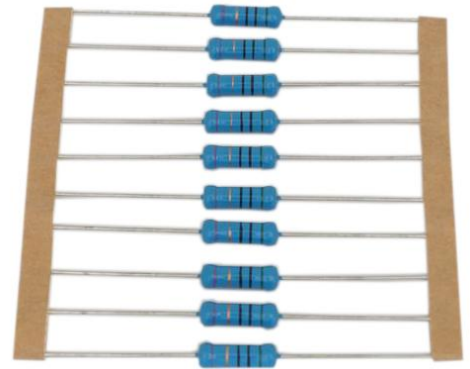
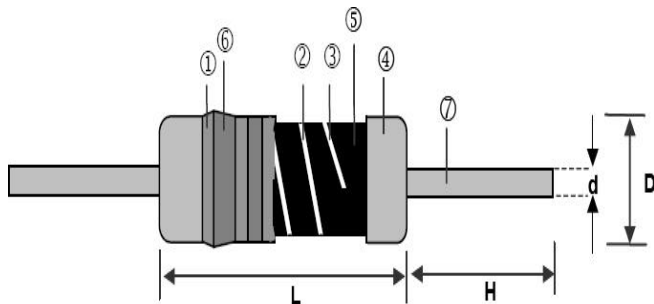


FEATURES

- High thermal conductivity and specific gravity rods.
- Power Rating: 0.25W~1W
- Precision tolerance tight to $\pm 0.05\%$
- Superior electrical TCR performances narrowed to $\pm 5 \text{ PPM}/^{\circ}\text{C}$
- Epoxy coating, precision metal film, Lead (Pb)-free and RoHS compliant.
- APPLICATIONS: Telecom, Measuring and Calibration Equipment, Industrial Process Control Systems, Audio and Video



CONSTRUCTION, DRAWING and DIMENSIONS (mm)



- ① Insulation Coating (Epoxy resin)
- ② Trimming Line
- ③ Ceramic Core (Alumina ceramic)
- ④ Electrode Cap (Tinned iron cap)
- ⑤ Resistor Layer (Nickel alloy)
- ⑥ Marking (Epoxy)
- ⑦ Lead Wire (Tinned annealed copper wire)

Type	L	D	H	d	Weight(g) (1000 PCS)
MFR 0623	6.3 \pm 0.5	2.3 \pm 0.3	28 \pm 2.0	0.55 \pm 0.03	150
MFR 0932	9.0 \pm 0.5	3.2 \pm 0.5	28 \pm 2.0	0.55 \pm 0.03	350

STANDARD ELECTRICAL SPECIFICATIONS

Item Type	Power Rating 70 ℃	Operating Temp.Rang	Max. Operating Voltage	Max. Overload Voltage	Resistance Range					TCR (PPM/℃)
					±0.05%	±0.1%	±0.25%	±0.5%	±0.1%	
0623	1/4W	-55~+155℃	250V	500V	10Ω-1MΩ					±5 ±10
					10Ω-1MΩ		10Ω-10MΩ		±15 ±25	
0932	1/2W		350V	600V	10Ω-1MΩ					±5 ±10
					10Ω-1MΩ		10Ω-10MΩ		±15 ±25	

Note: Other resistance is available on request. WEET is capable of doing custom service for you.



HIGH POWER RATING ELECTRICAL SPECIFICATIONS

Item Type	Power Rating 70 °C	Operating Temp.Rang	Max. Operating Voltage	Max. Overload Voltage	Resistance Range					TCR (PPM/°C)
					±0.05%	±0.1%	±0.25%	±0.5%	±0.1%	
0623	1/2W	-55~+155°C	300V	600V	10Ω-1MΩ					±5 ±10
					10Ω-1MΩ			10Ω-10MΩ		±15 ±25
	3/5W		350V	700V	10Ω-1MΩ		10Ω-4.99MΩ		±15	
					10Ω-1MΩ		10Ω-10MΩ		±25	
					10Ω-1MΩ					±5
0932	1/2W	400V	800V	10Ω-1MΩ					±10	

ENVIRONMENTAL CHARACTERISTICS

Item	Requirement	Test Method
Short Time Overload	±0.25%	RCWV*2.5 or Max. overload voltage for 5 seconds
Insulation Resistance	> 1000MΩ	Apply 100VDC for 1 minute
Endurance	±0.2%	70±2C, Max. working voltage for 1000 hrs with 1.5 hrs "ON" and 0.5 hrs "OFF"
Damp Heat with Load	±0.3%	40±2C, 90~95% R.H. Max. working voltage for 1000 hrs with 1.5 hrs "ON" and 0.5 hrs "OFF"
Solderability	90% min. Coverage	245±5°C for 3 seconds
Dielectric Withstanding Voltage	By Type	Apply Max. Overload Voltage for 1 minute
Temperature Coefficient	By Type	Resistance value at room temperature and room temperature+100°C
Pulse Overload	±0.75%	4 times RCWV for 10000 cycles with 1 second "ON" and 25 seconds "OFF"
Resistance To Solvent	No deterioration of coatings and markings	Trichroethane for 1 min. with ultrasonic
Terminal Strength	Tensile: ≥ 2.5kg	Direct Load for 10 sec. In the direction off the terminal leads
Shelf life	△R= ±0.1%	12 months at room temperature 25±3°C, 80%RH Max.

DEARATING CURVE:

