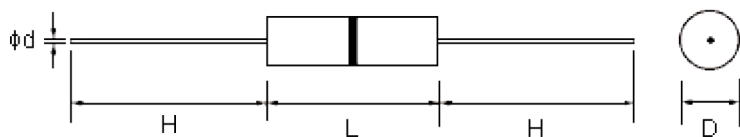


Carbon Film Resistor



Specifications:

Resistor Element Material	: Carbon Film
Resistance Value	: 0Ω
Finished Size	: 1.85mm × 3.58mm
Lead Wire Diameter	: 0.45 ±0.05mm
Pitch of Tape (PT)	: 52mm
Power Rating	: 125mW
Voltage Rating	: 200V
Temperature Coefficient	: ± 350ppm/°C
Resistor Terminals	: Axial Leaded
Resistor Mounting	: Through Hole
Body Diameter	: 1.85mm
Body Length	: 3.5mm
No. of Pins	: 2
Operating Temperature Range	: -55°C to +155°C
Steel Core Type	



Dimensions : Millimetres

Steel Core Type

Rating Wattage (W)	Maximum D	Maximum L	H ±3	d ±0.05
1/8	1.85	3.5	28	0.45

Construction

Confirmation List of Material

Subpart Name	Material	Material Generic
Body basic	Steel core	Tin plated iron
Lead	Annealed copper wire	Tin-coated copper wire
Coating	Insulated resin (colour : beige)	Epoxy paint



Carbon Film Resistor



Characteristics

Requirements	Characteristics
Maximum resistance	0.003Ω maximum
Lead material	Tin-plated copper
Body material (MC-type)	Electrical grade, high performance moulding compound
Insulation resistance	Dry : 10,000MΩ Wet : 100MΩ
Dielectric-withstanding voltage	Atmospheric : 500Vrms Reduced : 325Vrms
Insulation flammability	Resistor insulation is self extinguishing with 10 seconds after externally applied flame is removed
Current rating	25 amperes at 25°C derating to 0 amperes at 150°C

Part Number Table

Description	Part Number
Resistor, Carbon Film, 125mW, 0R	MCRE000000

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