

60Z090

Radial Leaded PTC Resettable Fuse

Summary

- RoHS Compliant (Lead Free) Product

- Applications: Wide variety of electronic equipment
- Product Features: Low hold current, Solid state, Radial leaded product ideal for up to 60V
- Operation Current: 900 mA
- Maximum Voltage: 60V
- Temperature Range : -40°C to 85°C

Electrical characteristics (23°C)

Part Number	Hold Current IH, A	Trip Current IT, A	Max.Time to Trip at 5xIH	Maximum Current IMAX, A	Rated Voltage VMAX, Vdc	Typical Power Pd, W	Resistance Tolerance	
							RMIN ohms	RMAX ohms
60Z090	0.90	1.8	7.2	40	60	1.0	0.14	0.31

I_H - Hold current-maximum current at which the device will not trip at 23 °C still air.

I_T - Trip current-minimum current at which the device will always trip at 23°C still air.

V_{MAX} - Maximum voltage device can withstand without damage at its rated current.

I_{MAX} - Maximum fault current device can withstand without damage at rated voltage (V_{MAX}).

P_d - Typical power dissipated from device when in tripped state in 23°C still air environment.

R_{MIN} - Minimum device resistance at 23°C.

R_{1MAX} - Maximum device resistance at 23 °C, 1 hour after tripping .

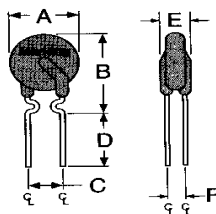
Physical specifications:

Lead material: Tin plated copper, 24 AWG.

Soldering characteristics: MIL-STD-202, Method 208E.

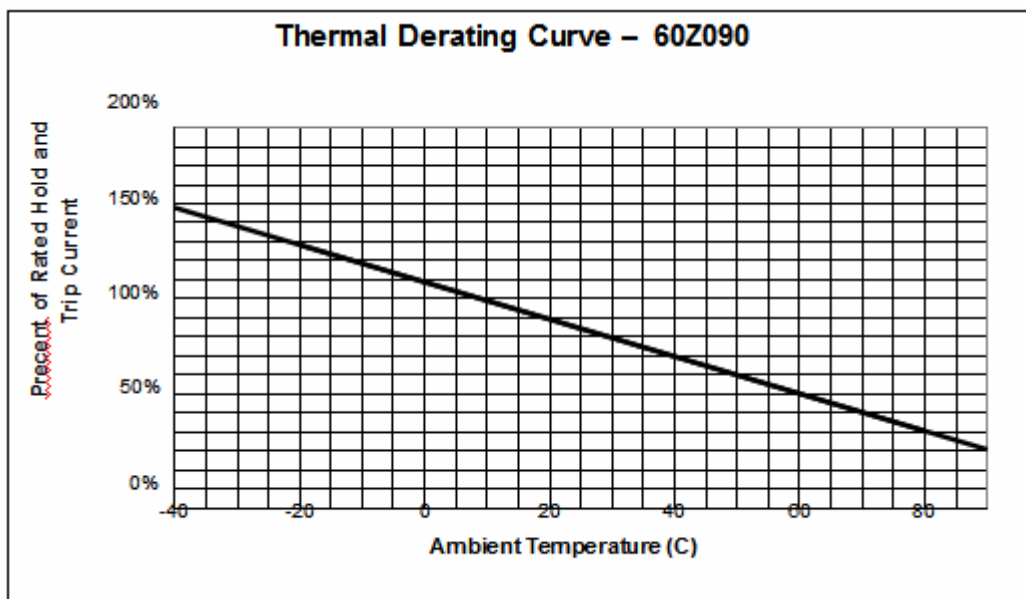
Insulating coating: Flame retardant epoxy, meets UL -94V-0 requirement.

Production Dimensions (millimetre)



Part Number	A	B	C	D	E	Lead
	Maximum	Maximum	Typical	Minimum	Maximum	Φ
60Z090	11.7	16.5	3.1	7.6	5.1	0.6

Thermal Derating Curve



Typical Time-To-Trip at 23°C

