ZFUSE.RU

60Z500 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: 5.0A
- Maximum Voltage: 60V
- Temperature Range : -40°C to 85°C

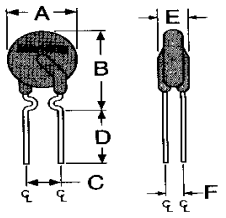
Electrical characteristics (23°C)

Part Number	Hold Current	Trip Current	Max.Time to Trip	Maximum Current	Rated Voltage	Typical Power	Resistance Tolerance	
							RMIN	RMAX
	IH, A	IT, A	at 5xIH	IMAX, A	VMAX, Vdc	Pd, W	ohms	ohms
60Z500	5.0	10.0	5	40	60	4.2	0.02	0.035

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}).
Pd - 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 .

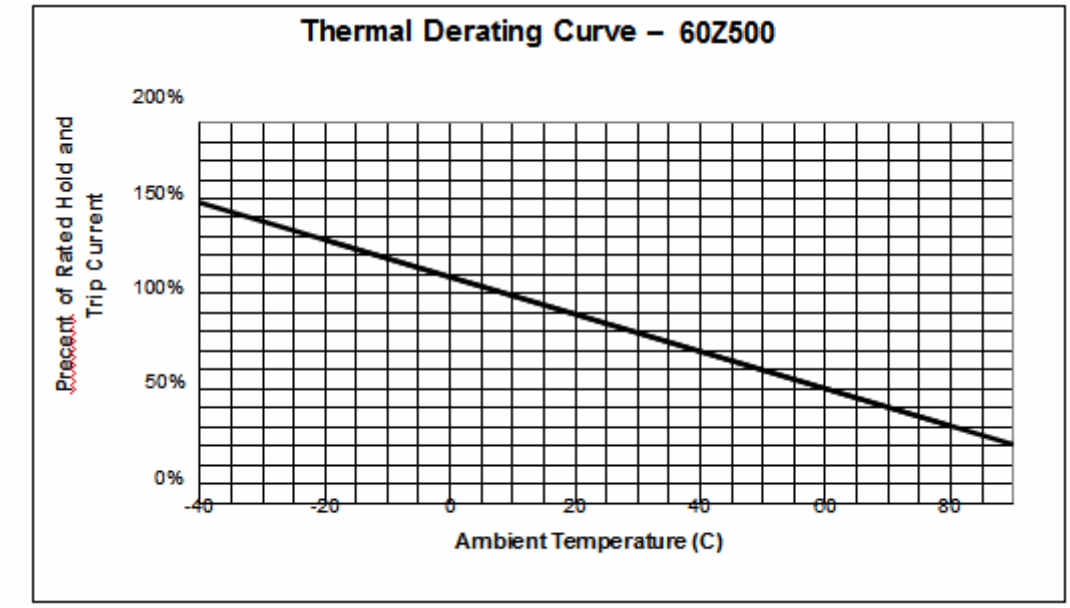
Physical specifications:
Lead material: Tin plated copper, 24 AWG.
Soldering characteristics: MIL-STD-202, Method 208E.
Insulating coating: Flame retardant epoxy, meets UL-94V-0 requirement.

Production Dimensions (millimetre)



Part Number	A	B	C	D	E	Lead
	Maximum	Maximum	Typical	Minimum	Maximum	Φ
60Z500	28.5	33.5	3.1	7.6	10.2	0.8

Thermal Derating Curve



Typical Time-To-Trip at 23°C