

## 250Z500

## 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 250V
- Operation Current: 500 mA
- Maximum Voltage: 250 V
- 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	2.5A	IMAX, A	VMAX, Vdc	Pd, W	ohms	ohms
250Z500	0.50	1.0	10	3	250	3.0	0.45	0.8

I<sub>H</sub> - Hold current-maximum current at which the device will not trip at 23 °C still air.

I<sub>T</sub> - Trip current-minimum current at which the device will always trip at 23°C still air.

V<sub>MAX</sub> - Maximum voltage device can withstand without damage at its rated current.

I<sub>MAX</sub> - Maximum fault current device can withstand without damage at rated voltage (V<sub>MAX</sub>).

P<sub>d</sub> - Typical power dissipated from device when in tripped state in 23°C still air environment.

R<sub>MIN</sub> - Minimum device resistance at 23°C.

R<sub>1MAX</sub> - Maximum device resistance at 23 °C, 1 hour after tripping .

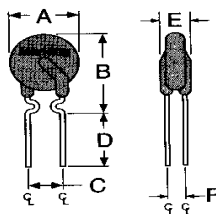
Physical specifications:

Lead material: Tin plated copper, 24 AWG.

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

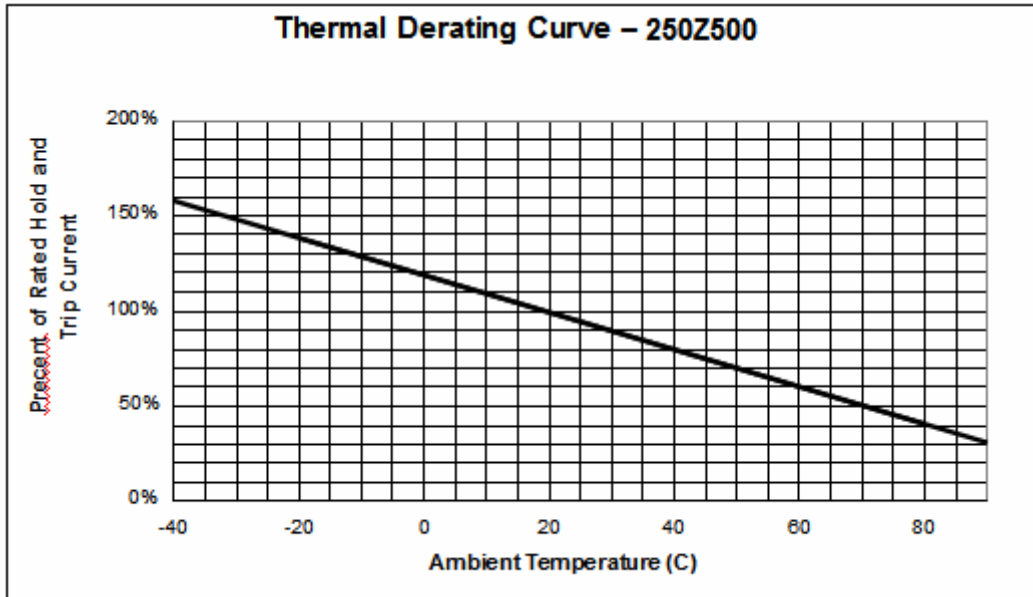
Insulating coating: Flame retardant epoxy, meets UL -94V-0 requirement.

### Production Dimensions (millimetre)



Part Number	A	B	C	D	E	Lead
	Maximum	Maximum	Typical	Minimum	Maximum	Φ
250Z500	11	15.8	5.1	4.7	3.5	0.8

## Thermal Derating Curve



## Typical Time-To-Trip at 23°C

