

## 30Z050

## 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 30V
- Operation Current: 0.5 A
- Maximum Voltage: 30V
- 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
30Z050	0.5	1.0	5	40	30	0.7	0.29	0.51

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

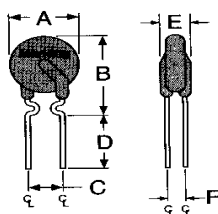
Physical specifications:

Lead material: Tin plated copper, 24 AWG.

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

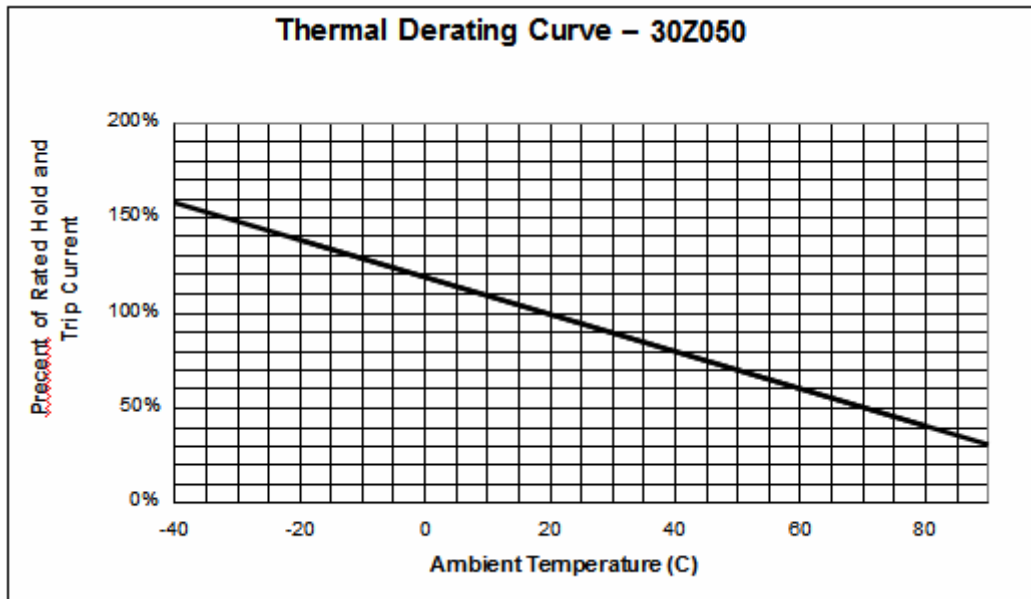
Insulating coating: Flame retardant epoxy, meets UL -94V-0 requirement.

### Production Dimensions (millimetre)



Part Number	A	B	C	D	E	Lead
	Maximum	Maximum	Typical	Minimum	Maximum	Φ
30Z050	7.9	13.7	5.1	7.6	3.0	0.5

## Thermal Derating Curve



## Typical Time-To-Trip at 23°C

