

## 250Z080

## 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: 80mA
- Maximum Voltage: 250V
- 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        | 0.35A            | IMAX, A         | VMAX, Vdc     | Pd, W         | ohms                 | ohms |
| 250Z080     | 0.08         | 0.16         | 4                | 3               | 250           | 1.0           | 14                   | 22   |

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 .

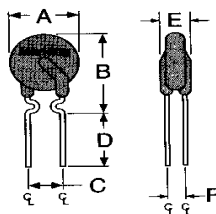
Physical specifications:

Lead material: Tin plated copper, 24 AWG.

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

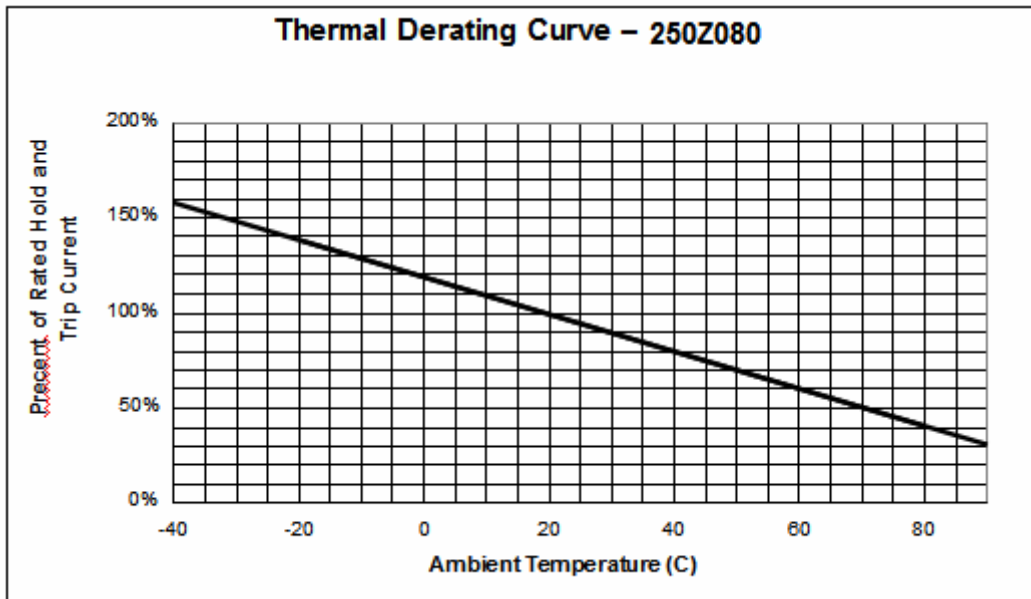
Insulating coating: Flame retardant epoxy, meets UL -94V-0 requirement.

### Production Dimensions (millimetre)



| Part Number | A       | B       | C       | D       | E       | Lead |
|-------------|---------|---------|---------|---------|---------|------|
|             | Maximum | Maximum | Typical | Minimum | Maximum | Φ    |
| 250Z080     | 5.8     | 9.9     | 5.1     | 4.7     | 3.8     | 0.6  |

## Thermal Derating Curve



## Typical Time-To-Trip at 23°C

