

### 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: 1.60 A
- Maximum Voltage: 60V
- Temperature Range : -40°C to 85°C

### Electrical characteristics (23°C)

| Part Number | Hold Current<br>IH, A | Trip Current<br>IT, A | Max.Time to Trip<br>at 5xIH | Maximum Current<br>IMAX, A | Rated Voltage<br>VMAX, Vdc | Typical Power<br>Pd, W | Resistance Tolerance |              |
|-------------|-----------------------|-----------------------|-----------------------------|----------------------------|----------------------------|------------------------|----------------------|--------------|
|             |                       |                       |                             |                            |                            |                        | RMIN<br>ohms         | RMAX<br>ohms |
| 60Z160      | 1.60                  | 3.2                   | 11.4                        | 40                         | 60                         | 1.98                   | 0.09                 | 0.14         |

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

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

VMAX - Maximum voltage device can withstand without damage at its rated current.

IMAX - Maximum fault current device can withstand without damage at rated voltage (VMAX).

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

RMIN - Minimum device resistance at 23°C.

RIMAX - Maximum device resistance at 23 °C, 1 hour after tripping .

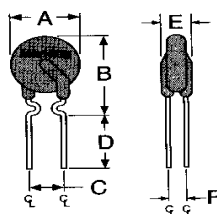
Physical specifications:

Lead material: Tin plated copper, 24 AWG.

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

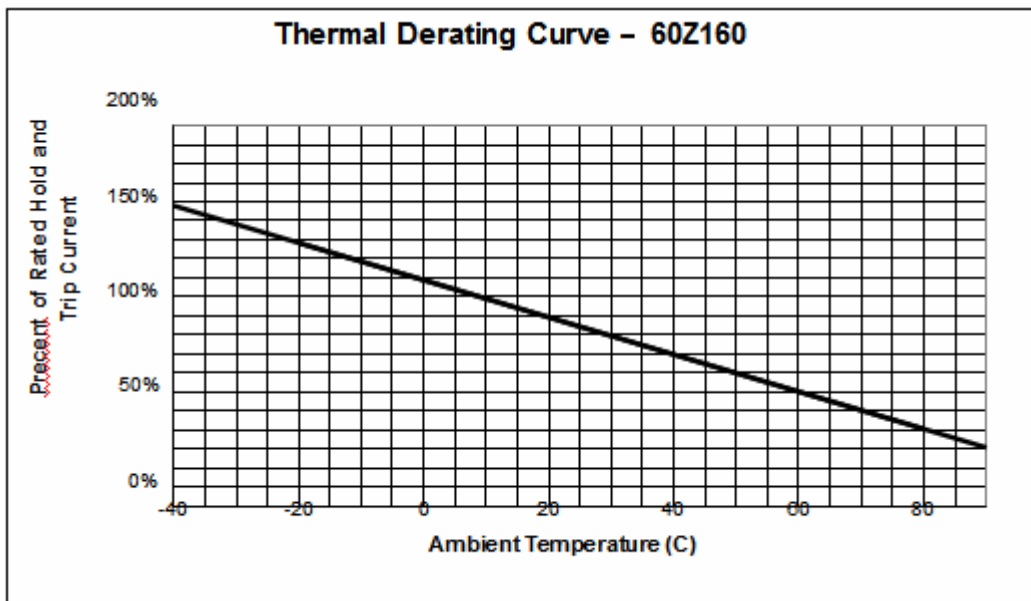
Insulating coating: Flame retardant epoxy, meets UL -94V-0 requirement.

### Production Dimensions (millimetre)



| Part Number | A       | B       | C       | D       | E       | Lead |
|-------------|---------|---------|---------|---------|---------|------|
|             | Maximum | Maximum | Typical | Minimum | Maximum | Φ    |
| 60Z160      | 16.7    | 19.7    | 3.1     | 7.6     | 5.1     | 0.8  |

## Thermal Derating Curve



## Typical Time-To-Trip at 23°C

