

### 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: 1.85 A
- Maximum Voltage: 30V
- 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 |
| 30Z185      | 1.85         | 3.7          | 8.7              | 40              | 30            | 1.0           | 0.03                 | 0.06 |

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 .

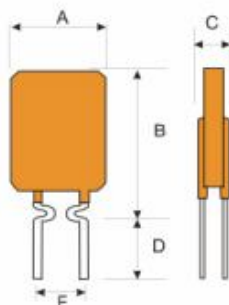
Physical specifications:

Lead material: Tin plated copper, 24 AWG.

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

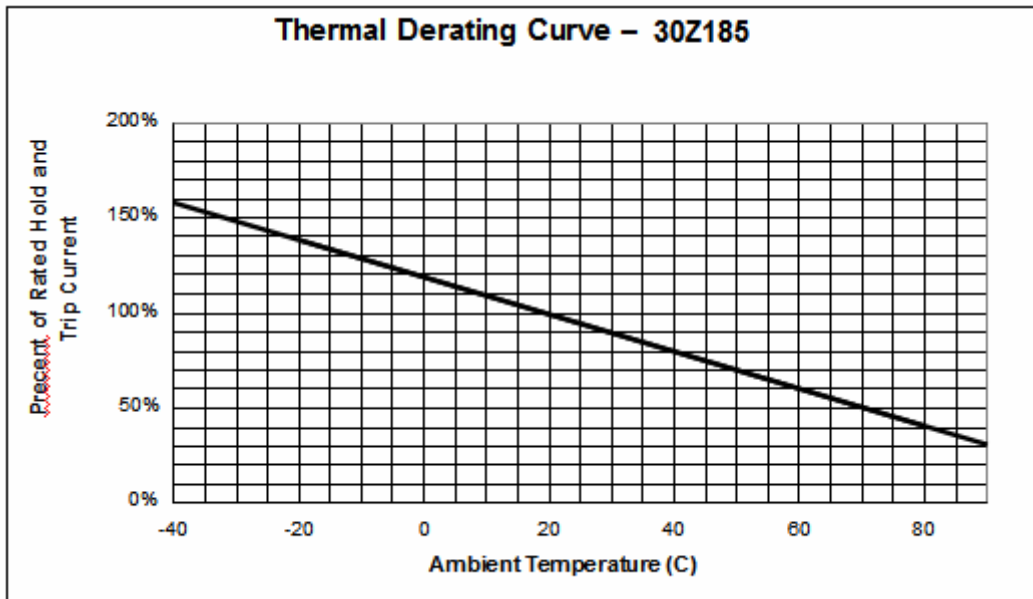
Insulating coating: Flame retardant epoxy, meets UL -94V-0 requirement.

### Production Dimensions (millimetre)



| Part Number | A       | B       | C       | D       | E       | Lead |
|-------------|---------|---------|---------|---------|---------|------|
|             | Maximum | Maximum | Typical | Minimum | Maximum | Φ    |
| 30Z185      | 10.2    | 15.7    | 3.0     | 7.6     | 5.1     | 0.6  |

## Thermal Derating Curve



## Typical Time-To-Trip at 23°C

