

Surface Mount Fuse, PTC, 2029 or 3425 footprint, 16 VDC, up to 125 °C

new



16.0VDC · 1.36 - 1.6A



Description

- Operating temperature range up to 125 °C

Applications

- Overcurrent protection at operating temperature over 85 °C

References

[General Product Information](#)
[Packaging Details](#)

Weblinks

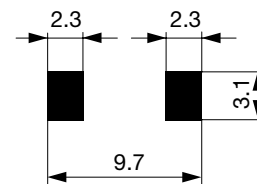
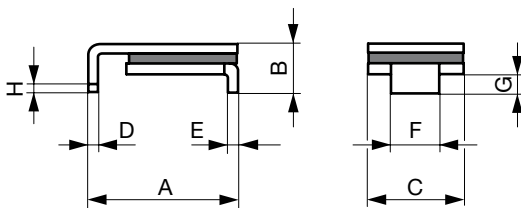
[Approvals, RoHS, CHINA-RoHS, e-Store, Distributor-Stock-Check, Accessories, Product Change Notification \(PCN\)](#)

Technical Data

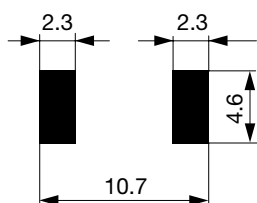
| | |
|---------------------------|------------------------------|
| V max | 16.0VDC |
| I _{max} | 100A |
| I hold | 1.36 - 1.6A |
| Mounting | PCB,SMT |
| Allowable Operation Temp. | -40 °C to 125 °C |
| Material: Terminals | Tin-Plated Brass |
| Weight | 0.4 g |
| Storage Conditions | 0 °C to 40 °C, max. 70% r.h. |
| Product Marking | I hold |

| | |
|------------------------------|---|
| Soldering Methods | Reflow |
| Solderability | 215 °C / 3sec |
| Resistance to Soldering Heat | 260 °C / 10sec |
| Passing Aging | +125 °C, 1000 Hours -> +/- 15% Typical Resistance Change |
| Humidity Aging | +85 °C, 85% r.h., 7 Days -> +/- 15% Typical Resistance Change |
| Thermal Shock | MIL-STD-202, Method 107 (+125 °C to -55 °C, 10 Cycles) -> +/- 15% Typical Resistance Change |
| Vibration | MIL-STD-883C, Method 2007.1, Test Condition A |

Dimensions



Solder pads PFHT.136.2



Solder pads PFHT.160.2

Dimensions

| Order Number | A min [mm] | A max [mm] | B max [mm] | C max [mm] | D min [mm] | D max [mm] | E min [mm] | E max [mm] | F min [mm] | F max [mm] | G min [mm] | G max [mm] | H min [mm] | Order Number |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| PFHT.136.2 | 6.73 | 7.98 | 3 | 5.44 | 0.56 | 0.71 | 0.56 | 0.71 | 2.16 | 2.41 | 0.66 | 1.37 | 0.43 | PFHT.136.2 |
| PFHT.160.2 | 8 | 9.5 | 3 | 6.71 | 0.56 | 0.71 | 0.56 | 0.71 | 3.68 | 3.94 | 0.66 | 1.37 | 0.43 | PFHT.160.2 |

Thermal Derating Chart Ihold [A]

| Order Number | -40 °C | -20 °C | 0 °C | 23 °C | 40 °C | 50 °C | 60 °C | 70 °C | 85 °C | 125 °C | Order Number |
|--------------|--------|--------|------|-------|-------|-------|-------|-------|-------|--------|--------------|
| PFHT.136.2 | 1.91 | 1.72 | 1.54 | 1.36 | 1.18 | 1.09 | 1 | 0.91 | 0.77 | 0.4 | PFHT.136.2 |
| PFHT.160.2 | 2.15 | 1.96 | 1.78 | 1.6 | 1.42 | 1.33 | 1.24 | 1.15 | 1.02 | 0.64 | PFHT.160.2 |

Electrical Characteristics at 23 °C

| V max [VDC] | I max [A] | I hold [A] | I trip [A] | R initial min [Ω] | R 1hour max [Ω] | Max Time to trip [A] | Max Time to Trip [s] | Tripped Power Dissipation [W] | Order Number |
|-------------|-----------|------------|------------|-------------------|-----------------|----------------------|----------------------|-------------------------------|--------------|
| 16.0 | 100 | 1.36 | 2.72 | 0.104 | 0.3 | 8 | 10 | 2.10 | PFHT.136.2 |
| 16.0 | 100 | 1.6 | 3.2 | 0.05 | 0.15 | 8 | 10 | 2.10 | PFHT.160.2 |

| Packaging Unit | PFHT.136.2 | Blister Tape 36 cm Reel (2000 pcs.) |
|----------------|------------|-------------------------------------|
| | PFHT.160.2 | Blister Tape 36 cm Reel (1500 pcs.) |

Time-Current-Curves

