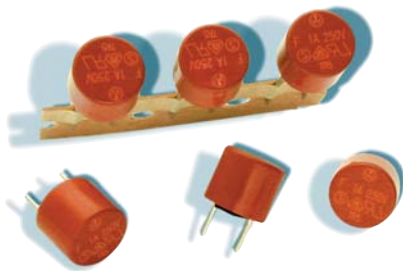
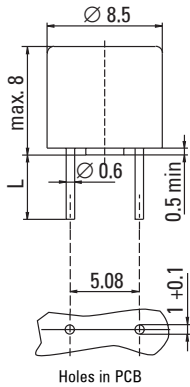


SUBMINIATURE FUSES

No. 370 / TR5®



Dimensions (mm)



Long Leads (L=18.8mm)
Short Leads (L=4.3mm)

IEC 60127-3/III, 250 V, F

Time-Current Characteristic
Quick Acting (F)

Standard
IEC 60127-3/III

Approvals
VDE
SEMKO
cULus Recognized
METI
CCC

Features

- Reduced PCB space requirements
- Direct solderable or plug-in versions
- Internationally approved
- Low internal resistance
- Shocksafe casing
- Vibration resistant
- Halogen free

Specifications

Packaging

- 000: Tape/Ampopack (1,000 pcs.)
- 041: Short Leads - Bulk (1,000 pcs.)

Materials

- Base/Cap: Brown Thermoplastic
Polyamide PA 6.6, UL 94 V0
- Round Pins: Copper, Sn plated

Operating Temperature

-40 °C to +85 °C (consider de-rating)

Climatic Category

-40 °C/+85 °C/21 days
(IEC 60068-1,-2-1,-2-2,-2-78)

Stock Conditions

+10 °C to +60 °C
relative humidity ≤ 75 % yearly average,
without dew, maximum value for 30 days-95 %

Vibration Resistance

24 cycles at 15 min. each (EN 60068-2-6)
10 - 60 Hz at 0.75 mm amplitude
60 - 2000 Hz at 10 g acceleration

Lead Pull Strength

10 N (EN 60068-2-21)

Solderability

260 °C, ≤ 3 s (Wave)
350 °C, ≤ 3 s (Soldering iron)

Soldering Heat Resistance

260 °C, 10 s (IEC 60068-2-20)

Marking

Ⓜ, 370, 250 V, F, Current Rating, Approvals

Unit Weight

0.77 g (approx.)



Limits for Pre-arcing Time

| Rated Current | 1.5 x I _N | 2.1 x I _N | 2.75 x I _N | 4 x I _N | 10 x I _N |
|------------------|----------------------|----------------------|-----------------------|--------------------|---------------------|
| 40 mA ... 6.30 A | > 1h | < 30 min | 10 ms ... 3 s | 3 ms ... 300 ms | < 20 ms |



Permissible continuous operating current is ≤ 100 % at ambient temperature of 23 °C (73.4 °F).

| Rated Current | Amp Code | Voltage Rating | Breaking Capacity | Voltage Drop 1.0 x I _N Ⓜ max. (mV) | Power Dissipation 1.5 x I _N Ⓜ max. (mW) | Melting Integral 10 x I _N Ⓜ max. (A²s) | Approvals | | | | |
|---------------|----------|----------------|------------------------------|---|--|---|-----------|-------|-------|-------------|-----|
| | | | | | | | VDE | SEMKO | cURus | METI-T-Mark | CCC |
| 40mA | 0040 | 250V | | 900 | 100 | 0.0002 | | | | | |
| 50mA | 0050 | 250V | | 320 | 80 | 0.00035 | • | • | • | • | |
| 63mA | 0063 | 250V | | 350 | 100 | 0.0005 | • | • | • | • | |
| 80mA | 0080 | 250V | | 370 | 120 | 0.0014 | • | • | • | • | |
| 100mA | 0100 | 250V | | 600 | 130 | 0.0038 | • | • | • | • | |
| 125mA | 0125 | 250V | | 550 | 172 | 0.0066 | • | • | • | • | |
| 160mA | 0160 | 250V | | 500 | 165 | 0.014 | • | • | • | • | |
| 200mA | 0200 | 250V | | 465 | 190 | 0.03 | • | • | • | • | |
| 250mA | 0250 | 250V | | 400 | 250 | 0.051 | • | • | • | • | |
| 315mA | 0315 | 250V | 35 A / 250 V AC ¹ | 380 | 250 | 0.1 | • | • | • | • | |
| 400mA | 0400 | 250V | 50-60Hz | 120 | 135 | 0.025 | • | • | • | • | |
| 500mA | 0500 | 250V | cos φ=1.0 | 120 | 155 | 0.042 | • | • | • | • | |
| 630mA | 0630 | 250V | | 115 | 200 | 0.076 | • | • | • | • | |
| 800mA | 0800 | 250V | | 120 | 310 | 0.12 | • | • | • | • | |
| 1.00A | 1100 | 250V | | 110 | 310 | 0.2 | • | • | • | • | |
| 1.25A | 1125 | 250V | | 100 | 360 | 0.31 | • | • | • | • | |
| 1.60A | 1160 | 250V | | 100 | 600 | 0.53 | • | • | • | • | |
| 2.00A | 1200 | 250V | | 85 | 500 | 0.98 | • | • | • | • | |
| 2.50A | 1250 | 250V | | 80 | 660 | 1.8 | • | • | • | • | |
| 3.15A | 1315 | 250V | | 90 | 950 | 3.1 | • | • | • | • | |
| 4.00A | 1400 | 250V | | 80 | 920 | 6.7 | • | • | • | • | |
| 5.00A | 1500 | 250V | | 80 | 1000 | 12.00 | • | • | • | • | |
| 6.30A* | 1630 | 250V | | 70 | 1200 | 24.00 | G | • | • | • | |

¹ Per UL, approved breaking capacity is 50 A at 250 V.

* Conducting path min. 0.2 mm²

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

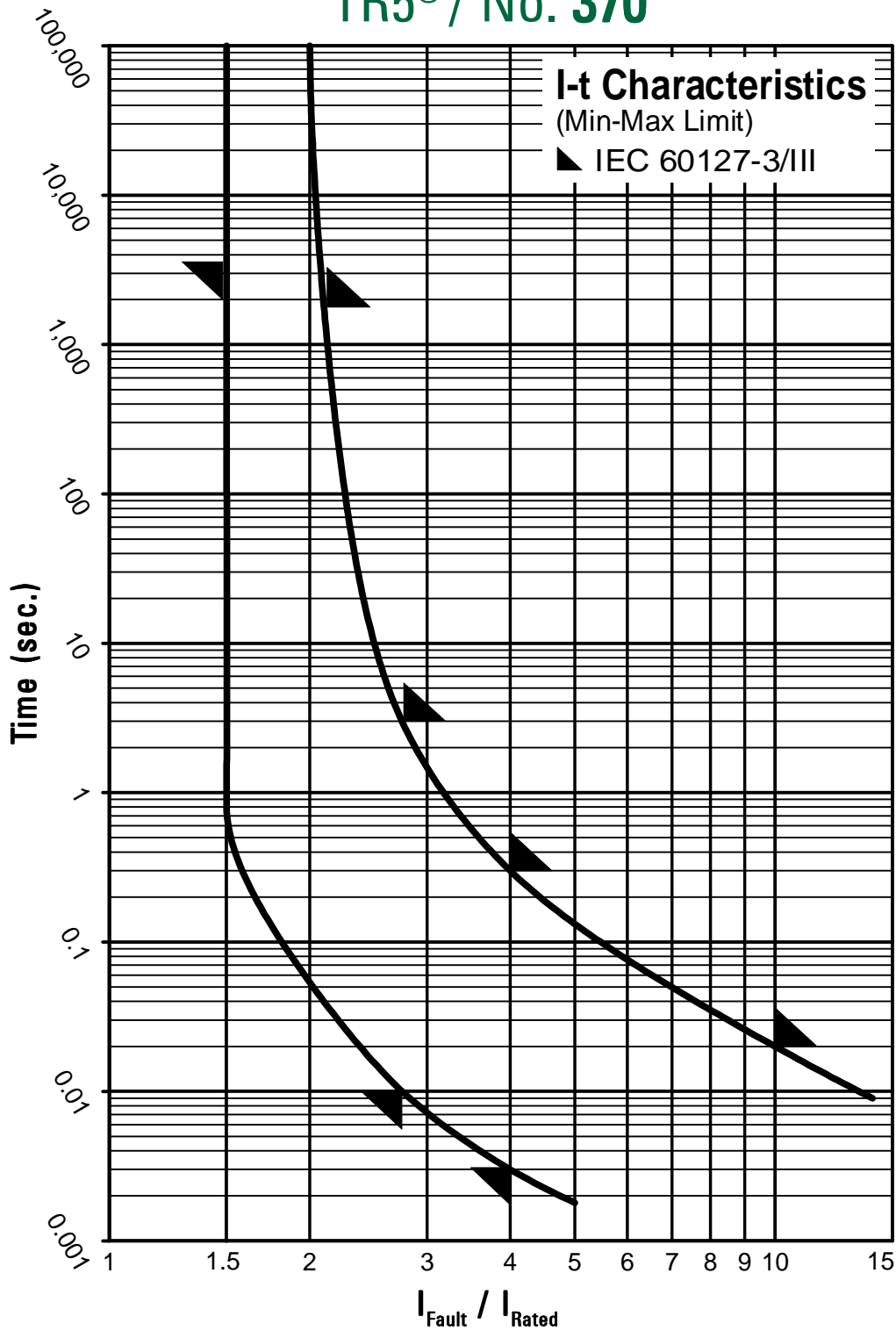
G = Expert Report pending

Order Information

| Qty. | Order-Number | Series | Amp Code | Packaging |
|------|--------------|--------|----------|-----------|
| | | 370 | | |

Specifications are subject to change without notice

TR5[®] / No. 370



Contact Littelfuse for individual I-t curves