



Radial Lead Micro Fuse ETF Series, Time Lag

Description

- Time lag micro fuse
- Base and cap material is a thermoplastic, UL 94-V0
- · Leads are tin-lead plated copper alloy

Electrical Characteristics

| | 150% | 210% | 275% | | 400% | | 1000% | |
|---------------|-------|--------|---------|---------|---------|--------|--------|---------|
| Rated Current | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. |
| 80mA to 6.3A | 1 hr. | 2 min. | 400 ms. | 10 sec. | 150 ms. | 3 sec. | 20 ms. | 150 ms. |

All are 250V AC

Agency Information

- Semco Certificate No. 9541256 01 VDE License No. 95402: 80mA to 5A / 35A or 10 In whichever is greater @ 250VAC
- UL Recognized File No. E19180, CSA Acceptance File No. LR701159; 80mA to 6.3A / 100A @ 277VAC

Environmental Data

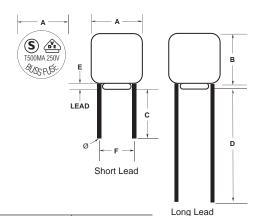
- Soldering Heat Resistance: 260°C, 10 sec. per IEC 68-2-20
- Vibration Resistance: MIL-STD-202, Method 201, 10-55Hz x 3 axis/ no load
- Shock Resistance: MIL-STD-202, Method 213, Condition I (Sawtooth)
- Moisture Resistance: MIL-STD-202F, Method 106
- Salt Spray: MIL-STD-202, Method 101, Condition B (48 hrs)
- Operating Temperature: -55°C to +125°C

Ordering

Specify product code and packaging code



Dimensional Data



Dimensions mm (inches)

| - | | | | |
|---|--------------------|--------------------|--|--|
| | Short Lead | Long Lead | | |
| Α | 8.35 ± 0.1 (0.329) | 8.35 ± 0.1 (0.329) | | |
| В | 7.7 ± 0.1 (0.303) | 7.7 ± 0.1 (0.303) | | |
| C | 4.3 ± 0.3 (0.169) | _ | | |
| D | _ | 18.8 ± 0.3 (0.740) | | |
| E | 0.5 min. (0.020) | 0.5 min. (0.020) | | |
| F | 5.08 ± 0.1 (0.200) | 5.08 ± 0.1 (0.200) | | |
| Ø | 0.6 ± 0.1 (0.024) | 0.6 ± 0.1 (0.024) | | |

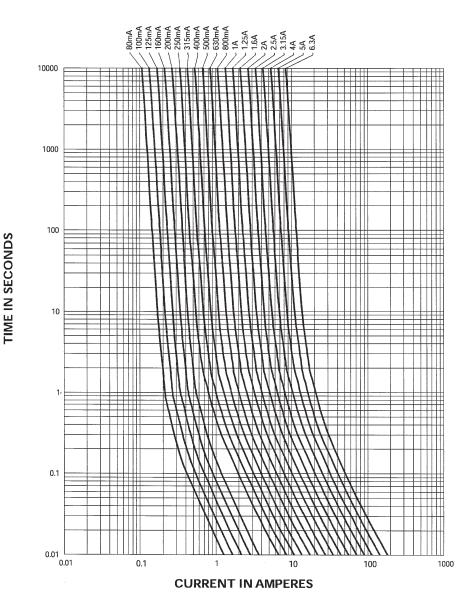
| SPECIFICATIONS | | | | | | |
|-----------------|------------------|-------------------------------------|---------------------------------------|---|--|-------------------------------------|
| Product Code | Ampere Rating | Typical Cold Resistance (ohm) | Volt-drop @ 100% In (Volt) max. | Melting I ² T < 10 mSec (A ² Sec) | Melting I ² T @ 10 <i>In</i> (A ² Sec) | Maximum Power Dissipation (W) |
| ETF-80mA | 80mA | 3.3 | 0.4 | 0.01 | 0.01 | 0.1 |
| ETF-100mA | 100mA | 2.2 | 0.35 | 0.02 | 0.02 | 0.11 |
| ETF-125mA | 125mA | 1.5 | 0.3 | 0.04 | 0.04 | 0.13 |
| ETF-160mA | 160mA | 1 | 0.28 | 0.07 | 0.06 | 0.15 |
| ETF-200mA | 200mA | 0.7 | 0.25 | 0.12 | 0.11 | 0.17 |
| ETF-250mA | 250mA | 0.5 | 0.22 | 0.38 | 0.41 | 0.19 |
| ETF-315mA | 315mA | 0.38 | 0.19 | 0.6 | 0.66 | 0.22 |
| ETF-400mA | 400mA | 0.28 | 0.16 | 0.95 | 1.05 | 0.25 |
| ETF-500mA | 500mA | 0.21 | 0.15 | 1.5 | 1.66 | 0.29 |
| ETF-630mA | 630mA | 0.16 | 0.13 | 2.4 | 2.6 | 0.33 |
| ETF-800mA | 800mA | 0.12 | 0.12 | 3.7 | 4.2 | 0.38 |
| ETF-1 | 1A | 0.09 | 0.11 | 5.9 | 6.7 | 0.44 |
| ETF-1.25 | 1.25A | 0.06 | 0.1 | 9 | 11 | 0.51 |
| ETF-1.6 | 1.6A | 0.047 | 0.095 | 15 | 17 | 0.58 |
| ETF-2 | 2A | 0.035 | 0.09 | 23 | 27 | 0.67 |
| ETF-2.5 | 2.5A | 0.026 | 0.087 | 37 | 43 | 0.77 |
| ETF-3.15 | 3.15A | 0.019 | 0.083 | 58 | 69 | 0.88 |
| ETF-4 | 4A | 0.014 | 0.08 | 92 | 110 | 1.02 |
| ETF-5 | 5A | 0.01 | 0.077 | 145 | 175 | 1.17 |
| ETF-6.3 | 6.3A | 0.008 | 0.073 | 230 | 281 | 1.34 |





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TIME CURRENT CURVE



| PACKAGING CODE | | |
|----------------------------|--|--|
| Packaging Code Description | | |
| AP | Ammo-pack taped 1,000 per box (long lead only) | |
| BK | In bulk 100 per bag (short lead only) | |



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