

Radial Lead Micro Fuse

EFF Series, Fast Acting

Description

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

Electrical Characteristics

Rated Current	150%	210%	275%		400%		1000%
	Min.	Max.	Min.	Max.	Min.	Max.	Max.
250mA to 5A	1 hr.	30 min.	10 ms.	3 sec.	3 ms.	300 ms.	20 ms.

All are 250V AC

Agency Information

- Semco Certificate VDE License: 250mA to 5A / 35A or 10 In whichever is greater @ 250VAC
- UL Recognized File No. E19180, CSA Acceptance File No. LR701159; 250mA to 5A / 50A @ 250VAC
- RoHS Compliant

Environmental Data

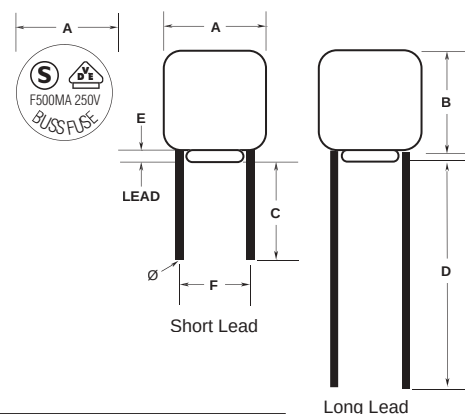
- Soldering Heat Resistance: 260°, 10 sec. per IEC 68-2-20
- Vibration Resistance: MIL-STD-202, Method 201, 10-55Hz x 3 axis/ no load
- Shock Resistance: MIL-STD-202, Method 213, Condition I (Sawtooth)
- Moisture Resistance: MIL-STD-202F, Method 106
- Salt Spray: MIL-STD-202, Method 101, Condition B (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
A	8.35 ± 0.1 (0.329)	8.35 ± 0.1 (0.329)
B	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 I²T < 10 mSec (A² Sec)	Melting I²T @ 10 In (A² Sec)	Maximum Power Dissipation (W)
EFF-250mA	250mA	0.45	0.254	0.029	0.027	0.15
EFF-315mA	315mA	0.34	0.246	0.05	0.05	0.18
EFF-400mA	400mA	0.25	0.239	0.08	0.08	0.22
EFF-500mA	500mA	0.19	0.232	0.15	0.13	0.27
EFF-630mA	630mA	0.091	0.106	0.12	0.13	0.15
EFF-800mA	800mA	0.071	0.103	0.21	0.22	0.19
EFF-1	1A	0.055	0.1	0.36	0.36	0.23
EFF-1.25	1.25A	0.043	0.097	0.61	0.59	0.28
EFF-1.6	1.6A	0.034	0.094	1.1	1	0.35
EFF-2	2A	0.026	0.091	1.8	1.7	0.42
EFF-2.5	2.5A	0.02	0.088	3.1	2.7	0.51
EFF-3.15	3.15A	0.016	0.086	5.3	4.5	0.62
EFF-4	4A	0.012	0.083	9	8	0.77
EFF-5	5A	0.01	0.081	16	13	0.93
EFF-6.3	6.3A	0.008	0.078	27	21	1.14

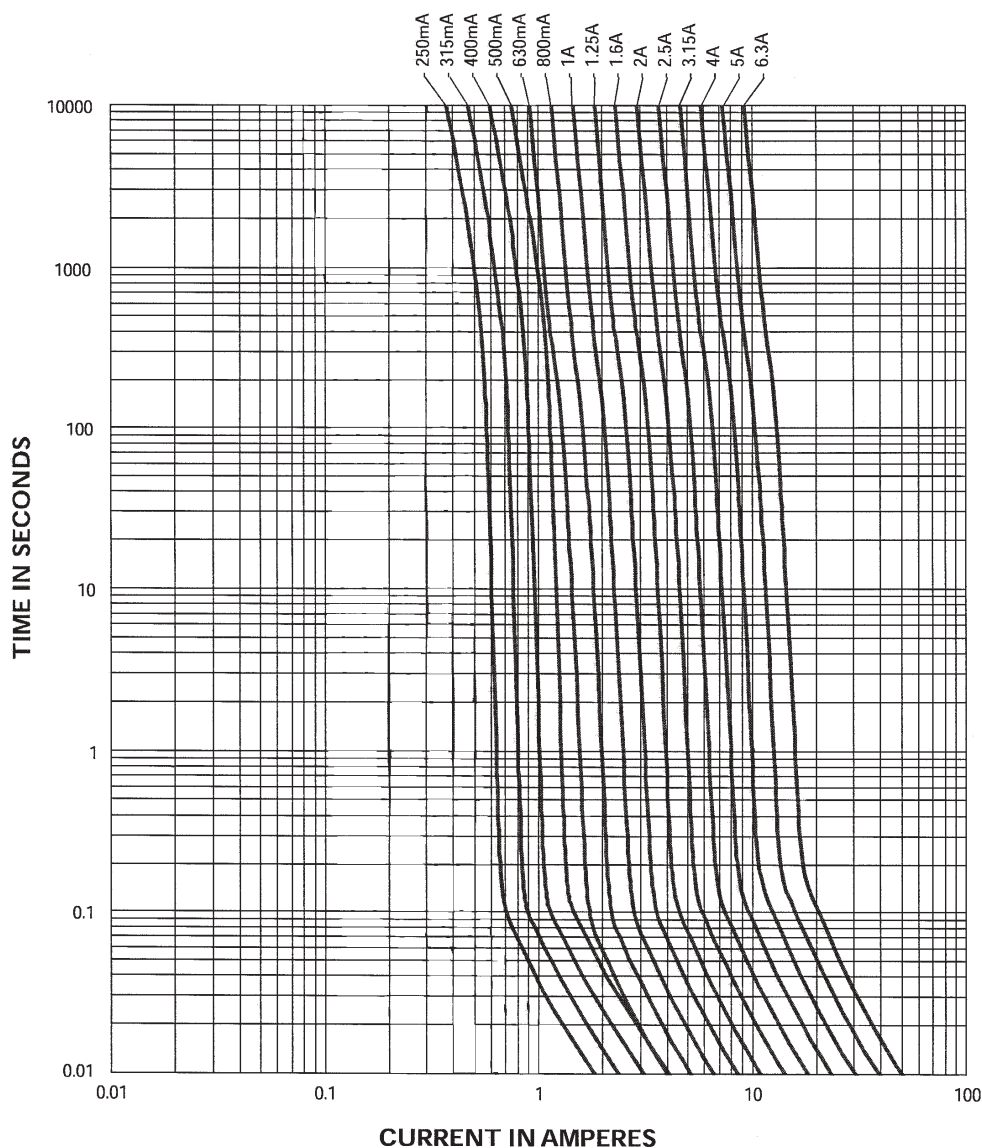
Voltage Drop measured at 100% of rated current.

Melting I²t measured at 10X current rating

Radial Lead Micro Fuse

EFF Series, Fast Acting

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)

North America

Cooper Electronic Technologies
3601 Quantum Boulevard
Boynton Beach, FL 33426-8638
Tel: 1-561-752-5000
Fax: 1-561-742-0134
Toll Free: 1-888-414-2645

Cooper Bussmann
P.O. Box 14460
St. Louis, MO 63178-4460
Tel: 1-636-394-2877
Fax: 1-800-544-2570

Europe

Cooper Electronic Technologies
Cooper (UK) Limited
Burton-on-the-Wolds
Leicestershire • LE12 5TH UK
Tel: +44 (0) 1509 882 737
Fax: +44 (0) 1509 882 786

Asia Pacific

Cooper Electronic Technologies
1 Jalan Kilang Timor
#06-01 Pacific Tech Centre
Singapore 159303
Tel: +65 278 6151
Fax: +65 270 4160

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Eaton:

[BK/EFF-400MA](#) [AP-EFF-1-25A](#) [AP-EFF-1-6A](#) [AP-EFF-2-5A](#) [AP-EFF-3-15](#) [AP-EFF-3-15A](#) [BK-EFF-1-25A](#) [BK-EFF-1-6A](#) [BK-EFF-2-5A](#) [BK-EFF-3-15A](#) [AP-EFF-1A](#) [AP-EFF-250MA](#) [AP-EFF-2A](#) [AP-EFF-315MA](#) [AP-EFF-400MA](#) [AP-EFF-4A](#) [AP-EFF-500MA](#) [AP-EFF-5A](#) [AP-EFF-630MA](#) [AP-EFF-800MA](#) [BK-EFF-1](#) [BK-EFF-100MA](#) [BK-EFF-1-25](#) [BK-EFF-125MA](#) [BK-EFF-1-6](#) [BK-EFF-1A](#) [BK-EFF-2](#) [BK-EFF-2-5](#) [BK-EFF-250MA](#) [BK-EFF-2A](#) [BK-EFF-315MA](#) [BK-EFF-4](#) [BK-EFF-4A](#) [BK-EFF-5](#) [BK-EFF-500MA](#) [BK-EFF-5A](#) [BK-EFF-630MA](#) [BK-EFF-800MA](#)