

Type SEF RoHS

Fast Acting Square Ceramic Surface Mount Fuse



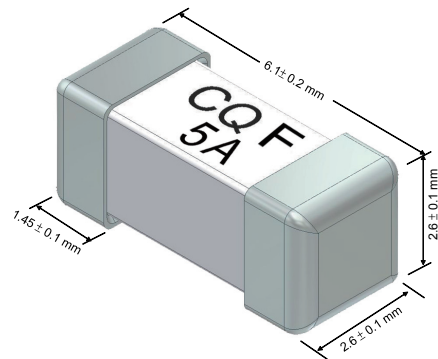
Feature

- Small volume.
- Excellent inrush current withstanding capability.
- Excellent withstand capacity for thermal and mechanic shock.
- High reliability and stable solderability, 2 terminal caps can choice plating gold or silver.
- Our SEF \ SET series products, because the materials used in these fuses include high melting temperature type solder and this solder contains more than 85% lead (Pb), so these products can conform to the exempts of the requirements of RoHS Directive(2002/95/EC).

Interrupting Rating

- 62mA~8A: 50 amperes at 125V AC/DC
300 amperes at 32V DC
- 10A: 35 amperes at 125V AC
50 amperes at 125V DC
300 amperes at 32V DC
- 12A~15A: 50 amperes at 65V AC/DC
300 amperes at 24V DC

Mechanical Dimension



Physical Specification

Material

Body: Ceramic
Terminations: Silver Plated Brass Caps

Packaging

1,000 Fuses in 7 inches dia. reel, or 5,000 fuses in 13 inches dia. reel,
12mm wide tape, per EIA Standard 481

Environmental Specification

Operating Temperature

-55°C to +125°C

Vibration

MIL-STD-202G, Method 201 (10-55 Hz,
0.06 inch, total excursion)

Salt Spray

MIL-STD-202G, Method 101, Test Condition B
(48Hrs)

Insulation Resistance

MIL-STD-202G, Method 302, Test Condition A

Resistance to Solder Heat

MIL-STD-202G, Method 210, Test Condition B
(10sec, at 260°C)

Thermal Shock

MIL-STD-202G, Method 107, Test Condition B
(-65°C to +125°C)

Cartridge Catalog Number	Ampere Rating [In]	Voltage Rating (V)	Nominal Resistance Cold Ohms	Nominal Melting f t A ² Sec	
SEF .062	62mA (1/16A)	125V	11.275	0.000961	
SEF .080	80 mA		9.9550	0.001000	
SEF .100	100 mA		9.5130	0.001500	
SEF .125	125 mA		5.8395	0.003120	
SEF .200	200 mA		2.0195	0.008000	
SEF .250	250 mA		1.1050	0.009380	
SEF .300	300 mA		0.8554	0.018000	
SEF .375	375 mA		0.7819	0.021100	
SEF .400	400 mA		0.5200	0.032000	
SEF .500	500 mA		0.4895	0.037500	
SEF .700	700 mA		0.2814	0.120500	
SEF .750	750 mA		0.1810	0.153100	
SEF 001	1 A		65V	0.1407	0.385000
SEF 1.50	1.5 A			0.1130	0.725000
SEF 002	2 A			0.0594	0.894000
SEF 2.50	2.5 A			0.0384	1.182000
SEF 003	3 A			0.0333	1.475000
SEF 3.15	3.15A	0.0296		1.655000	
SEF 3.50	3.5 A	0.0268		2.055000	
SEF 004	4 A	0.0209		3.882000	
SEF 005	5 A	0.0179		5.480000	
SEF 006	6 A	0.0117		8.520000	
SEF 007	7 A	0.0104		9.931000	
SEF 008	8 A	0.0095		18.82000	
SEF 010	10 A	0.0067		22.50000	
SEF 012	12A	0.0042		43.20000	
SEF 015	15A	0.0025	112.5000		

Approval

PSE Certified products for U.S. and Canada
Recognized Component for Canada and U.S.

1A~15A
62mA~5A
6A~15A

Electrical Characteristic

Rated current	1 In	2 In
	MIN	MAX
62mA~10A	4hr	5 sec
12A~15A	4hr	60 sec

Environmental Temperature at 25°C