



# CONQUER

## Surface Mount Fuses

### Type SEF RoHS

Fast Acting Square Ceramic Surface Mount Fuse



#### Approvals

UL Recognized	62mA~15A
CSA Listed	62mA~10A
CSA Acceptance	10.1A~15A

#### Electrical Characteristics

Rated Current	1 In	2 In
	MIN	MAX
62mA~10A	4 Hrs	5 Sec
12A~15A	4 Hrs	60 Sec

#### Interrupting Ratings

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

#### Environmental Specification

##### Operating Temperature

-55 C to +125 C

##### Shock

MIL-STD-202, Method 213, Test Condition 1  
(100G's peak for 6 milliseconds)

##### Vibration

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

##### Salt Spray

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

##### InSulation ReSiStance

MIL-STD-202, Method 302, Test Condition A  
(After Opening) 10,000 ohms minimum

##### ReSiStance to Solder Heat

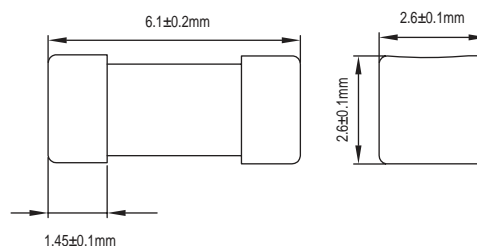
MIL-STD-202, Method 210, Test Condition F  
(20sec, at 260 C)

##### Thermal Shock:

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

Cartridge Catalog Number	Ampere Rating [In]	Voltage Rating (V)	Nominal ReSiStance Cold OhmS	Voltage Drop (mv)MAX	Nominal Melting I <sup>2</sup> t A <sup>2</sup> Sec	
SEF .062	62mA (1/16A)	125V	6.6840	1000.0	0.000961	
SEF .080	80 mA		16.730	900.00	0.007680	
SEF .100	100 mA		2.5000	900.00	0.001500	
SEF .125	125 mA		1.8390	800.00	0.003120	
SEF .200	200 mA		0.4200	600.00	0.008000	
SEF .250	250 mA		0.3850	500.00	0.009380	
SEF .300	300 mA		0.3300	450.00	0.018000	
SEF .375	375 mA		0.2510	400.00	0.021100	
SEF .400	400 mA		0.2250	350.00	0.032000	
SEF .500	500 mA		0.1630	300.00	0.037500	
SEF .700	700 mA		0.1300	280.00	0.120500	
SEF .750	750 mA		0.1020	270.00	0.153100	
SEF 001	1 A		65V	0.0730	250.00	0.385000
SEF 1.50	1.5 A			0.0430	220.0	0.725000
SEF 002	2 A			0.0310	200.00	0.894000
SEF 2.50	2.5 A	0.0240		180.00	1.182000	
SEF 003	3 A	0.0210		160.00	1.475000	
SEF 3.50	3.5 A	0.0180		150.00	2.055000	
SEF 004	4 A	0.0160		150.00	3.882000	
SEF 005	5 A	0.0130		130.00	5.480000	
SEF 006	6 A	0.0110		120.00	8.520000	
SEF 007	7 A	0.0082		120.00	9.931000	
SEF 008	8 A	0.0058	110.00	18.82000		
SEF 010	10 A	0.0049	90.000	22.50000		
SEF 012	12 A	0.0031	80.000	43.20000		
SEF 015	15 A	0.0020	70.000	112.5000		

#### Mechanical Dimensions



#### Physical Specification

##### Materials

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.