



CONQUER

Surface Mount Fuses

Type SEF

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 32V 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

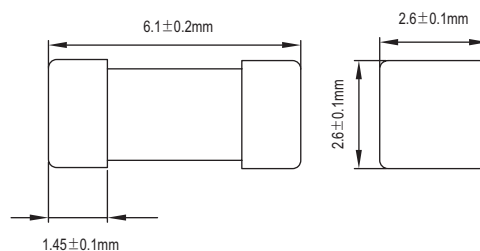
MIL-STD-202, Method 210, Test Condition F
 (20sec, at 260°C)

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 ² t A ² Sec
SEF .062	62mA (1/16A)	125V	6.6840	1000.0	0.000961
SEF .080	80 mA		4.0000	900.00	0.001000
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		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	65V	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.