



Approvals

UL Recognized : 63mA to 5A.
CSA listed : 63mA to 5A.
VDE : 63mA to 5A.
PSE : 1A to 5A.

Electrical Characteristics:

| Rated Current | 1.25 In Minimum | 2 In Maximum | 10 In | |
|---------------|--------------------|-----------------|---------|---------|
| | | | Minimum | Maximum |
| 63mA to 5A | 1 Hour | 120 Second | 1ms | 10ms |

Interrupting Ratings:

50 amperes or 10 x rated current; whichever is greater at 125V ac/dc.

Environmental Specifications:

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 (After Opening) 10,000 ohms minimum

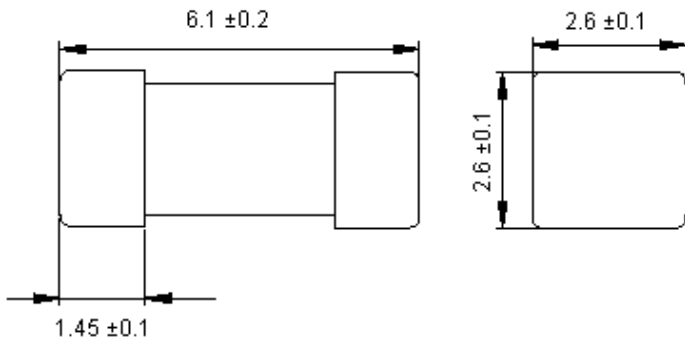
Resistance to Solder Heat:

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).

Mechanical Dimensions:



Dimensions : Millimetres

Physical Specification:

Materials:

Body : Ceramic.
Terminations : Silver plated brass caps.

Specification Table:

| Description | Ampere Rating (In) | Voltage Rating (V) | Nominal Resistance Cold Ohms | Voltage Drop (mv) Maximum | Nominal Melting I ² t A ² Sec | Part Number |
|-------------------|--------------------|--------------------|------------------------------|---------------------------|---|---------------|
| Fuse, SMD, 63mA | 63mA | 125V | 6.6800 | * | 0.0012 | MCSEF(U) .063 |
| Fuse, SMD, 80mA | 80mA | | 4.3000 | * | 0.0021 | MCSEF(U) .080 |
| Fuse, SMD, 0.1A | 100mA | | 2.6300 | 1300 | 0.0032 | MCSEF(U) .100 |
| Fuse, SMD, 0.125A | 125mA | | 1.9400 | 1000 | 0.0048 | MCSEF(U) .125 |
| Fuse, SMD, 0.16A | 160mA | | 1.8510 | | 0.0079 | MCSEF(U) .160 |
| Fuse, SMD, 0.2A | 200mA | | 1.8050 | | 0.0131 | MCSEF(U) .200 |
| Fuse, SMD, 0.25A | 250mA | | 0.8912 | 800 | 0.0192 | MCSEF(U) .250 |
| Fuse, SMD, 0.315A | 315mA | | 0.6286 | 750 | 0.0301 | MCSEF(U) .315 |
| Fuse, SMD, 0.4A | 400mA | | 0.5490 | 700 | 0.0472 | MCSEF(U) .400 |
| Fuse, SMD, 0.5A | 500mA | | 0.5108 | 600 | 0.0768 | MCSEF(U) .500 |
| Fuse, SMD, 0.63A | 630mA | | 0.4030 | 500 | 0.1204 | MCSEF(U) .630 |
| Fuse, SMD, 0.8A | 800mA | | 0.2500 | 400 | 0.1886 | MCSEF(U) .800 |

Specification Table:

| Description | Ampere Rating (In) | Voltage Rating (V) | Nominal Resistance Cold Ohms | Voltage Drop (mv) Maximum | Nominal Melting I^2t A ² Sec | Part Number |
|------------------|--------------------|--------------------|------------------------------|---------------------------|---|---------------|
| Fuse, SMD, 1A | 1A | 125 | 0.1290 | 300 | 0.3000 | MCSEF(U) 001 |
| Fuse, SMD, 1.25A | 1.25A | | 0.0733 | | 0.4050 | MCSEF(U) 1.25 |
| Fuse, SMD, 1.6A | 1.6A | | 0.0730 | | 0.9015 | MCSEF(U) 1.60 |
| Fuse, SMD, 2A | 2A | | 0.0480 | | 1.4520 | MCSEF(U) 002 |
| Fuse, SMD, 2.5A | 2.5A | | 0.0366 | | 2.1050 | MCSEF(U) 2.50 |
| Fuse, SMD, 3A | 3A | | 0.0280 | | 3.6000 | MCSEF(U) 003 |
| Fuse, SMD, 3.15A | 3.15A | | 0.0257 | | 3.9000 | MCSEF(U) 3.15 |
| Fuse, SMD, 4A | 4A | | 0.0210 | | 5.4200 | MCSEF(U) 004 |
| Fuse, SMD, 5A | 5A | | 0.0156 | | 10.900 | MCSEF(U) 005 |

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