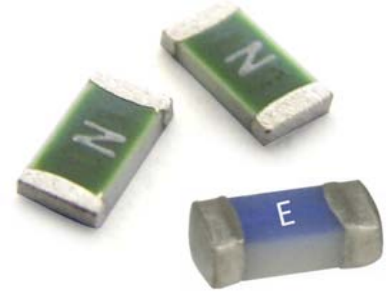


0603 Fast Acting SMD Fuses



Description

B3Ss Series are the fuses set the industry standard for performance, reliability and quality. The solder-free design provides excellent on-off and temperature cycling characteristics during use and also makes our SMD fuses more heat and shock tolerant than typical subminiature fuses.



| Electrical Characteristics | | |
|----------------------------|----------------|----------------|
| Rated Current | 1.0In | 2.0In |
| 250mA~8A | 4 hour minimum | 60 sec maximum |

Features

- High inrush current withstanding capability
- Compatible with reflow and wave solder
- Excellent environmental integrity
- One time positive disconnect
- Lead Free and Halogen free material

Specifications

| Specification | | | | | | | | |
|---------------|---------------|-----|-------------------|----------------------------|--------------------------------------|---------------------------|---|------------|
| Part No. | Rated Voltage | | Rated Current (A) | Breaking Capacity (A) 1 | Typical Cold Resistance (mOhms) 2 | Typical Voltage Drop (mV) | Typical Pre-Arcing I ² t (A ² Sec) 3 | Alpha Mark |
| | DC | | | | | | | |
| B3Ss250 | 63V | 32V | 0.250 | 50A | 3250 | 893 | 0.00042 | D |
| B3Ss375 | | | 0.375 | 50A | 1310 | 587 | 0.00093 | E |
| B3Ss500 | | | 0.500 | 50A | 1070 | 582 | 0.0020 | F |
| B3Ss750 | | | 0.750 | 50A | 470 | 427 | 0.0092 | G |
| B3SsA01.00 | | | 1 | 50A | 300 | 295 | 0.011 | B |
| B3SsA01.50 | | | 1.5 | 50A | 150 | 220 | 0.045 | H |
| B3SsA02.00 | | | 2 | 50A | 72 | 160 | 0.115 | K |
| B3SsA02.50 | | | 2.5 | 50A | 52 | 145 | 0.14 | L |
| B3SsA03.00 | | | 3 | 50A | 35 | 130 | 0.21 | O |
| B3SsA03.50 | | | 3.5 | 50A | 23.8 | 130 | 0.55 | R |
| B3SsA04.00 | | | 4 | 50A | 21 | 120 | 0.52 | S |
| B3SsA05.00 | | | 5 | 50A | 14 | 110 | 1.20 | T |
| B3SsA06.00 | | | 6 | 50A | 8 | 110 | 1.70 | V |
| B3SsA07.00 | | | 7 | 50A | 5.6 | 80 | 2.30 | X |
| B3SsA08.00 | | | 8 | 50A | 3.5 | 75 | 3.00 | Z |

* DC Interrupting Rating (Measured at rated voltage, time constant of less than 50 microseconds, battery source)

* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25degrees

* Typical Pre-arching I²t are measured at 10In Current

** For fuse 1A-5A, the color of glass coating is Green; For others, its Blue.

Dimension Drawing not to scale (Unit: mm/inch)

