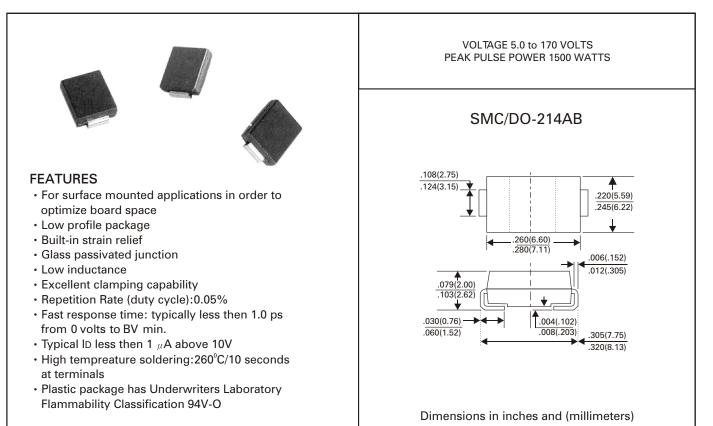
1.5SMCJ SERIES

SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSOR





MECHANICAL DATA

- Case:JEDEC DO-214AB molded plastic over passivated junction
- Terminals:Solder plated solderable per MIL-STD-750, Method 2026
- · Polarity:Color band denotes positive end (cathode) except bidirectional types
- Standard Packaging: 16mm tape (EIA STD EIA-481)
- Weight: 0.007 ounce, 0.21 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

RATINGS	SYMBOL	VALUE	UNITS
Peak Pulse Power Dissipation on 10/1000 µs (NOTE 1,2,Fig.1)	Рррм	Minimum 1500	Watts
Peak Pulse on Current 10/1000 μs waveform (NOTE 1,Fig.3)	Іррм	See Table 1	Amps
Peak forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)(NOTE 2,3)	Ifsm	100.0	Amps
Operating Junction and Storage Temperature Range	Tj, Tstg	-55 to + 150	°C

Notes: 1. Non-repetitive current pulse, per Fig.3 and derated above TA=25°C per Fig.2

2. Measured on 8.0mm² copper pads to each terminal.

3. Measured on 8.3mm, single half sine-wave or equivalent square wave, duty cycle=4 pulses per minute maximum.

1.5SMCJ SERIES

SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSOR

MAXIMUM RATINGS AND CHARACTERISTIC CURVES P6SMBJ SERIES

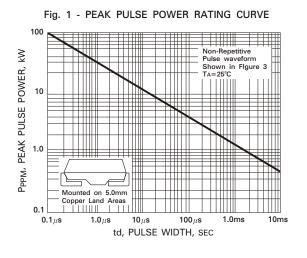


Fig. 3 - PULSE WAVEFORM

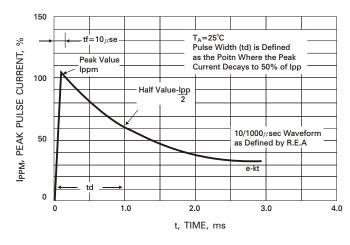
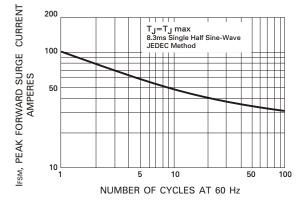


Fig. 5 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT





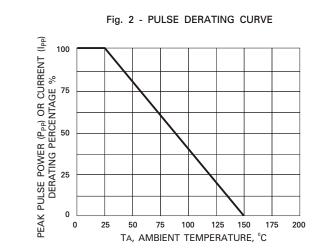
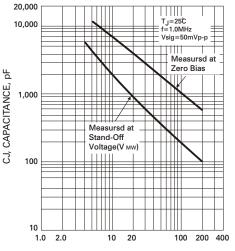


Fig. 4 - TYPICAL JUNCTION CAPACITANCE



V(WM), REVERSE STAND-OFF VOLTAGE, VOLTS