MSKSEMI 美森科













ESD

:

TSS

MOV

GDT

PLED

SS32B-MS TRHU SS3200B-MS

Product specification





SS32B-MS TRHU SS3200B-MS

Features

- The plastic package carries Underwriters
 Laboratory Flammability Classification 94V-0
- Metal silicon junction, majority carrier conduction
- Low power loss, high efficiency
- High forward surge current capability
- High temperature soldering guaranteed:
- 250 ℃/10 seconds,0.375" (9.5mm) lead length,
 5 lbs. (2.3kg) tension

MECHANICAL DATA

Case: JEDEC DO-214AA/SMB molded plastic body

Terminals : Solderable per MIL-STD-750, Method 2026
 Polarity : Color band denotes cathode end Mounting

Position : Any

Weight: 0.003 ounce, 0.095 grams

Reference News

| DO-214AA/SMB | Schematic Diagram | | |
|--------------|-------------------|--|--|
| | | | |

Marking

| SS32B-MS | SS33B-MS | SS34B-MS | SS35B-MS | SS36B-MS |
|----------|-----------|------------|------------|----------|
| SS32 | SS33 | SS34 | SS35 | SS36 |
| SS38B-MS | SS310B-MS | SS3150B-MS | SS3200B-MS | |
| SS38 | SS310 | SS3150 | SS3200 | |

Maximum Ratings And Electrical Characteristics

Ratings at 25℃ ambient temperature unless otherwise specified.

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

| Parameter | | SS32B -MS | SS33B -MS | SS34B -MS | SS35B -MS | SS36B -MS | SS38B -MS | SS310B -MS | SS3150B -MS | SS3200B -MS | UNITS |
|--|---------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|---------------|----------------|----------------|-------|
| Maximum repetitive peak reverse voltage | VRRM | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 150 | 200 | V |
| Maximum RMS voltage | VRMS | 14 | 21 | 28 | 35 | 42 | 56 | 70 | 105 | 140 | V |
| Maximum DC blocking voltage | V _{DC} | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 150 | 200 | V |
| Maximum average forward rectified current | I _(AV) 3 | | | Α | | | | | | | |
| Peak forward surge current | | | | | | | | | | | |
| 8.3ms single half sine-wave | | 80 | | | | | | Α | | | |
| superimposed onrated load (JEDEC Method) | | | | | | | | | | | |
| Maximum instantaneous forward voltage at 3.0A | VF | V _F 0.55 | | | 0.7 | | 0.85 | | 0 | 0.95 | |
| Maximum DC reverse current Ta=25℃ | l . | 0.5 | | 0.3 | | | 0.3 | | | | |
| at rated DCblocking voltage T _A =100℃ | l IR | | | 5 | | | | | 3 | | mA |
| Typical junction capacitance (NOTE 1) | | 450 400 | | | pF | | | | | | |
| Typical thermal resistance (NOTE 2) | | 60 | | | | | °C/W | | | | |
| Operating junction temperature range | Тı | T _J -55 to +150 | | | $^{\circ}$ C | | | | | | |
| Storage temperature range | Тѕтс | тв -55 to +150 | | | °C | | | | | | |

Note:1.Measured at 1MHz and applied reverse voltage of 4.0V D.C. 2.P.C.B. mounted with 2.0"x2.0"(5.0x5.0cm) copper pad areas

Typical Characterisitics

Fig.1 Forward Current Derating Curve

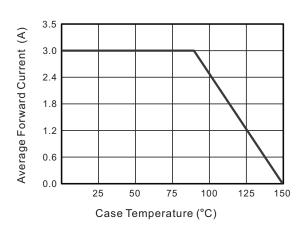


Fig.2 Typical Reverse Characteristics

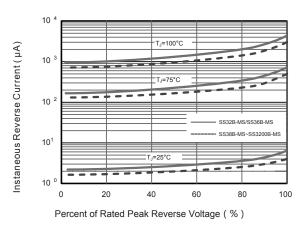


Fig.3 Typical Forward Characteristic

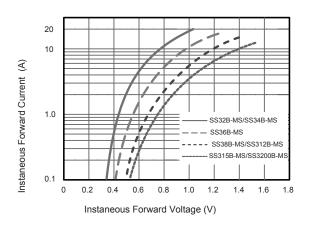


Fig.4 Typical Junction Capacitance

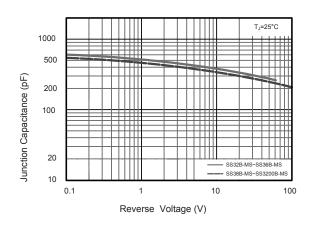


Fig.5 Maximum Non-Repetitive Peak Forward Surage Current

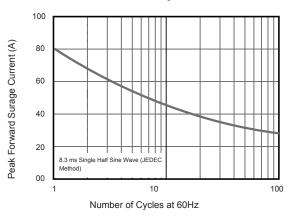
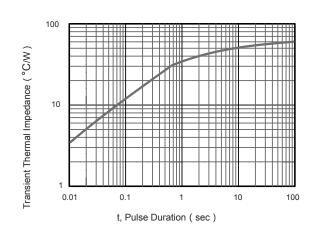
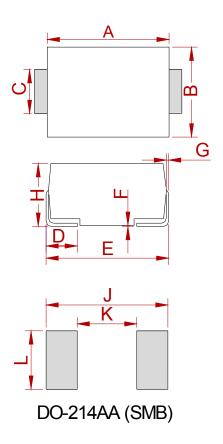


Fig.6- Typical Transient Thermal Impedance





PACKAGE MECHANICAL DATA



| | Dimensions | | | | | |
|------|-------------|-------|--------|-------|--|--|
| Ref. | Millimeters | | Inches | | | |
| | Min. | Max. | Min. | Max. | | |
| Α | 4.25 | 4.75 | 0.167 | 0.187 | | |
| В | 3.30 | 3.94 | 0.130 | 0.155 | | |
| С | 1.85 | 2.21 | 0.073 | 0.087 | | |
| D | 0.76 | 1.52 | 0.030 | 0.060 | | |
| Е | 5.08 | 5.59 | 0.200 | 0.220 | | |
| F | 0.051 | 0.203 | 0.002 | 0.008 | | |
| G | 0.15 | 0.31 | 0.006 | 0.012 | | |
| Н | 2.11 | 2.44 | 0.083 | 0.096 | | |
| J | 6.80 | | 0.270 | | | |
| K | | 2.60 | | 0.100 | | |
| L | 2.40 | | 0.090 | | | |

REEL SPECIFICATION

| P/N | PKG | QTY |
|--------------------------|---------------|------|
| SS32B-MS TRHU SS3200B-MS | DO-214AA(SMB) | 3000 |



SS32B-MS TRHU SS3200B-MS

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