





# SS32BF THRU SS320BF

Reverse Voltage - 20 to 200 Volts Forward Current - 3.0 Ampere

## Typical Characteristics

Fig.1 Forward Current Derating Curve

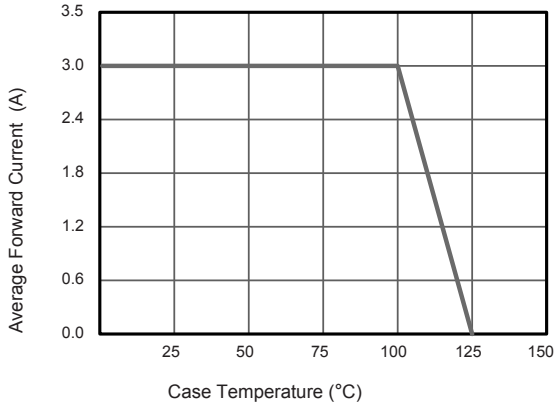


Fig.2 Typical Reverse Characteristics

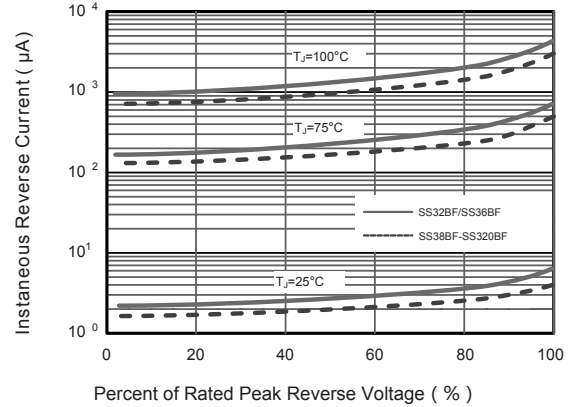


Fig.3 Typical Forward Characteristic

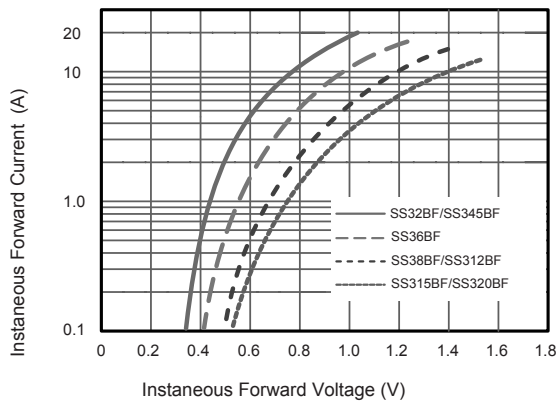


Fig.4 Typical Junction Capacitance

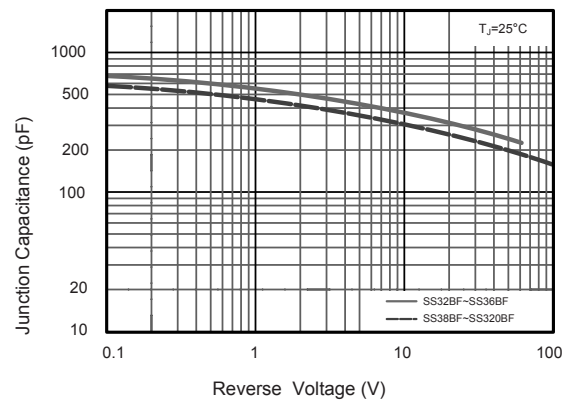


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

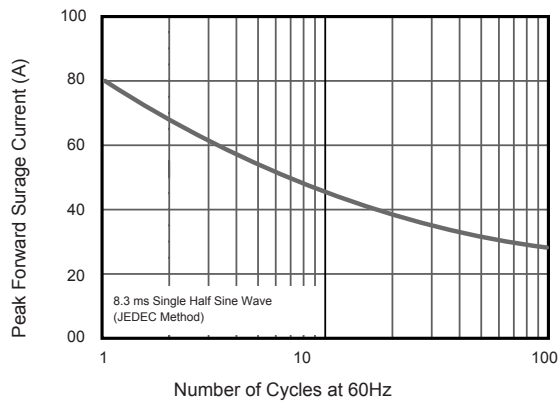
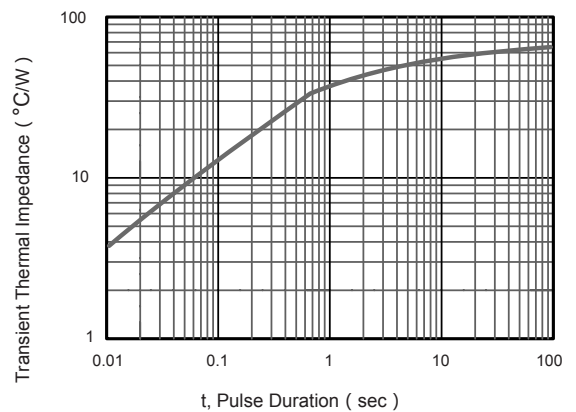


Fig.6- Typical Transient Thermal Impedance



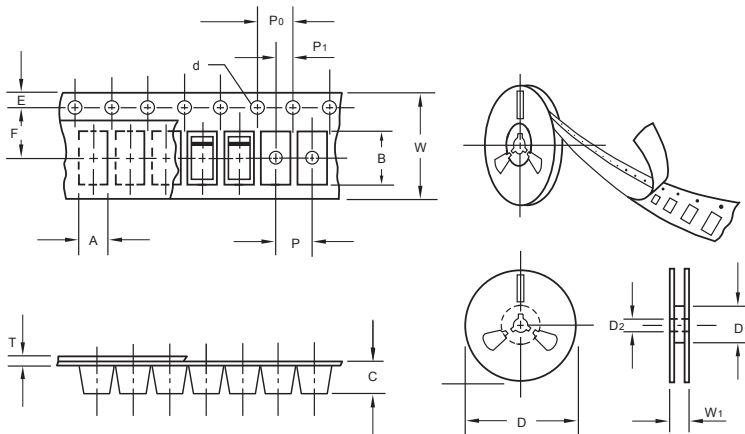
The curve above is for reference only.



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## Packing information



unit:mm

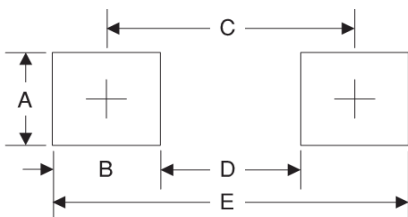
| Item                      | Symbol         | Tolerance | SMBF   |
|---------------------------|----------------|-----------|--------|
| Carrier width             | A              | 0.1       | 3.81   |
| Carrier length            | B              | 0.1       | 5.61   |
| Carrier depth             | C              | 0.1       | 1.60   |
| Sprocket hole             | d              | 0.05      | 1.50   |
| 13" Reel outside diameter | D              | 2.0       | 330.00 |
| 13" Reel inner diameter   | D <sub>1</sub> | min       | 50.00  |
| Feed hole diameter        | D <sub>2</sub> | 0.5       | 13.00  |
| Sprocket hole position    | E              | 0.1       | 1.75   |
| Punch hole position       | F              | 0.1       | 5.50   |
| Punch hole pitch          | P              | 0.1       | 4.00   |
| Sprocket hole pitch       | P <sub>0</sub> | 0.1       | 4.00   |
| Embossment center         | P <sub>1</sub> | 0.1       | 2.00   |
| Overall tape thickness    | T              | 0.1       | 0.30   |
| Tape width                | W              | 0.3       | 12.00  |
| Reel width                | W <sub>1</sub> | 1.0       | 12.30  |

Note: Devices are packed in accordance with EIA standard RS-481-A and specifications listed above.

## Reel packing

| PACKAGE | REEL SIZE | REEL (pcs) | COMPONENT SPACING (mm) | BOX (pcs) | INNER BOX (mm) | REEL DIA. (mm) | CARTON SIZE (mm) | CARTON (pcs) | APPROX. GROSS WEIGHT (kg) |
|---------|-----------|------------|------------------------|-----------|----------------|----------------|------------------|--------------|---------------------------|
| SMBF    | 13"       | 5,000      | 4.0                    | 10,000    | 190*190*41     | 330            | 365*365*360      | 80,000       | 14.0                      |

## Suggested Pad Layout



| Symbol | Unit (mm) | Unit (inch) |
|--------|-----------|-------------|
| A      | 2.54      | 0.100       |
| B      | 1.8       | 0.071       |
| C      | 4.8       | 0.189       |
| D      | 3.0       | 0.118       |
| E      | 6.6       | 0.260       |

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