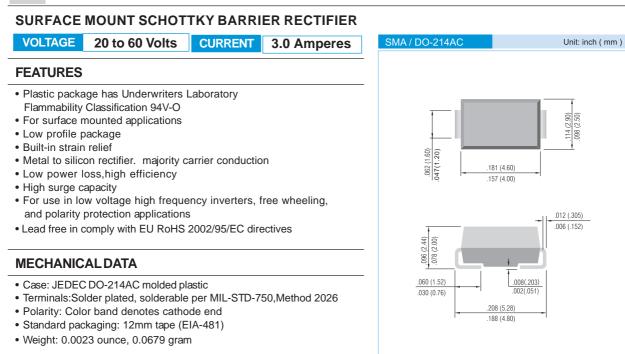


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SX32 ~ SX36



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load.

| PARAMETER | SYMBOL | SX32 | SX33 | SX34 | SX35 | SX36 | UNITS |
|---|--------------------------------------|-------------------------|------|------|-----------|--------|-------|
| Maximum Recurrent Peak Reverse Voltage | | 20 | 30 | 40 | 50 | 60 | V |
| Maximum RMS Voltage | V _{RMS} | 14 | 21 | 28 | 35 | 42 | V |
| Maximum DC Blocking Voltage | V _{DC} | 20 | 30 | 40 | 50 | 60 | V |
| Maximum Average Forward Current at T _L =75°C | I _{F(AV)} | 3.0 | | | | | A |
| Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load(JEDEC method) | I _{FSM} | 80 | | | | | A |
| Maximum Forward Voltage at 3.0A (Note 1) | V _F | 0.5 | | | 0.75 | | V |
| Maximum DC Reverse Current T _J =25 ^o C at Rated DC Blocking Voltage T _J =100 ^o C | I _R | 0.2 20 | | | 0.1 20 | | mA |
| Typical Thermal Resistance (Note 2) | R _{ejl} R _{eja} | 20 75 | | | | °C / W | |
| Operating Junction and Storage Temperature Range | T _J ,T _{stg} | -55 to +125 -55 to +150 | | | 0 | °C | |

NOTES:

1. Pulse Test with PW =300µsec, 1% Duty Cycle.

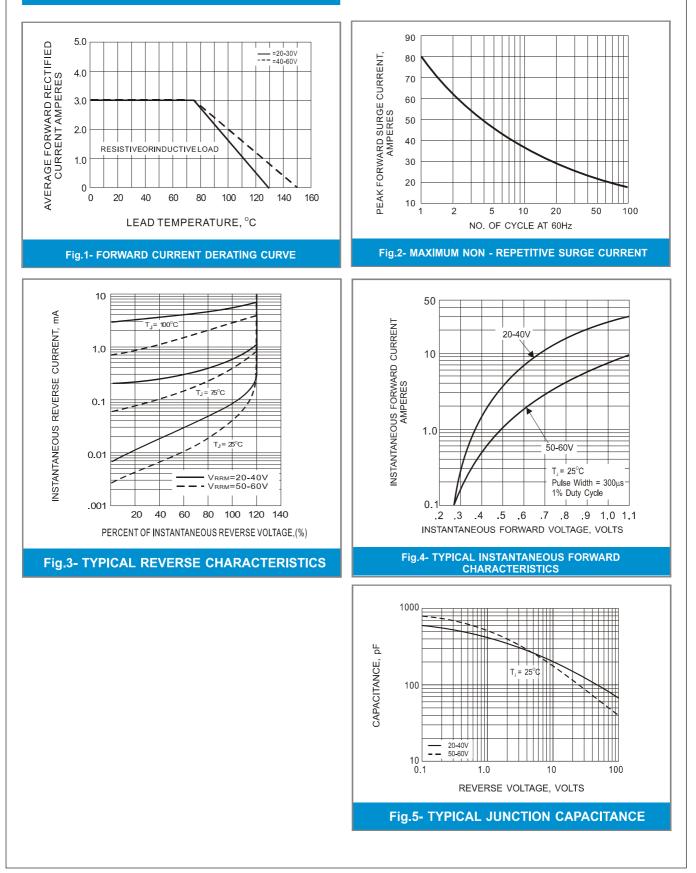
2. Mounted on P.C. Board with 8.0mm^2 (.013mm thick) copper pad areas.

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SX32 ~ SX36

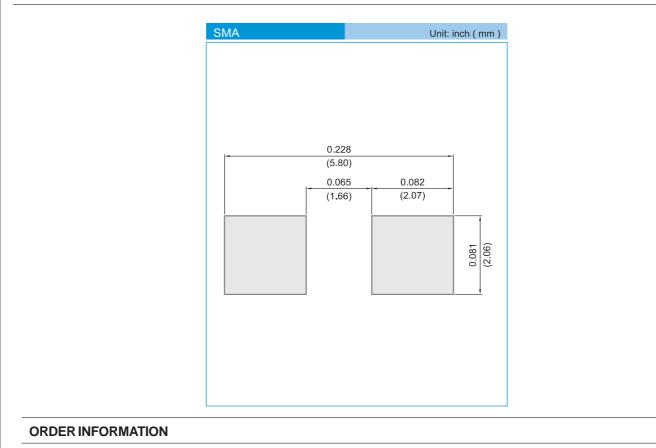
RATING AND CHARACTERISTIC CURVES





SX32 ~ SX36

MOUNTING PAD LAYOUT



- Packing information
 T/R 7.5K per 13" plastic Reel
 - T/R 1.8Kper 7" plastic Reel





For example : RB500V-40_R2_00001

Part No.

Serial number Version code means HF

Packing size code means 13"

• Packing type means T/R

| Packing Code XX | | | | Version Code XXXXX | | | |
|-----------------|----------------------|----------------------|----------------------|--------------------|----------------------|---------------------------------------|--|
| Packing type | 1 st Code | Packing size code | 2 nd Code | HF or RoHS | 1 st Code | 2 nd ~5 th Code | |
| T/B | Α | N/A | 0 | HF | 0 | serial number | |
| T/R | R | 7" | 1 | RoHS | 1 | serial number | |
| B/P | В | 13" | 2 | | | | |
| T/P | т | 26mm | X | | | | |
| TRR | S | 52mm | Y | | | | |
| TRL | L | PBCU | U | | | | |
| FORMING | F | PBCD | D | | | | |

Part No_packing code_Version

SX32_R1_00001 SX32_R1_10001 SX32_R2_00001 SX32_R2_10001 



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