



SCHOTTKY BARRIER RECTIFIERS

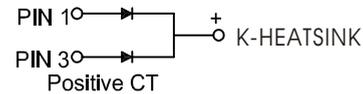
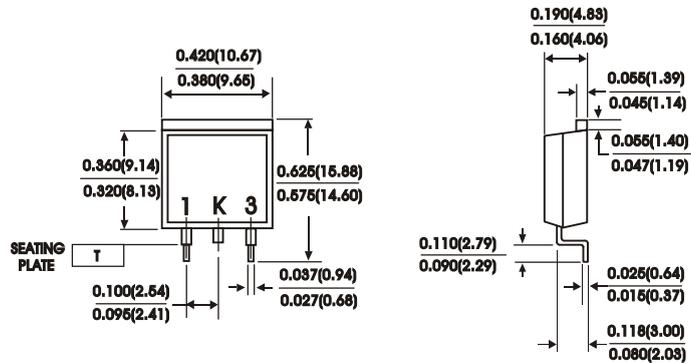
TO-263AB

FEATURES:

- Plastic package Underwriters Laboratory Flammability Classification 94V-0
• Dual rectifier construction, positive center tap
• Metal silicon junction Majority carrier conduction
• Low power loss, high efficiency
• High current capability, low forward voltage drop
• High temperature soldering guaranteed: 250°C/10 seconds

MECHANICAL DATA

Case : JEDEC TO-263AB molded plastic
Terminals : Leads solderable per MIL-STD-750
Method 2026
Polarity : As marked
Mounting Position : Any
Mounting Torque 5 In - lbs. max
Weight : 0.08 ounce, 2.24 grams



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.
Single phase half wave, 60 Hz resistive or inductive load.
For capacitive load, derate current by 20%.

Table with 5 columns: Characteristic, Symbol, SRB1090CT, SRB10100CT, Units. Rows include Maximum recurrent peak reverse voltage, Maximum RMS voltage, Maximum DC blocking voltage, Maximum average forward rectified current, Peak forward surge current, Maximum instantaneous forward voltage, Maximum instantaneous reverse current, Typical thermal resistance, Operating temperature range, and Storage temperature range.

- NOTES:
(1) Thermal resistance from junction to case
(2) Pulse test : 300 us pulse width, 1% duty cycle
(3) Marking : SR1090CT = SR1090 (Without Marking "CT")



RATINGS AND CHARACTERISTIC CURVES

FIG.1 - TYPICAL FORWARD CURRENT DERATING CURVE

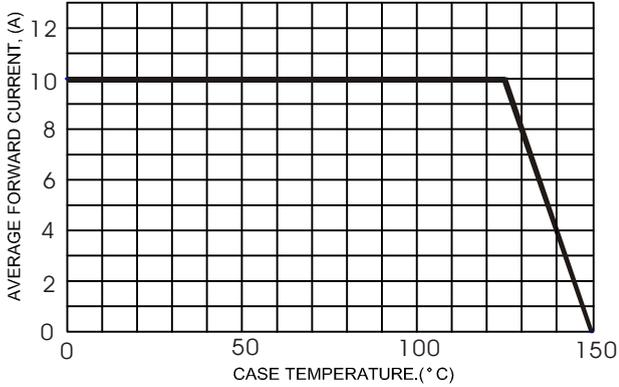


FIG.2 - TYPICAL FORWARD CHARACTERISTICS

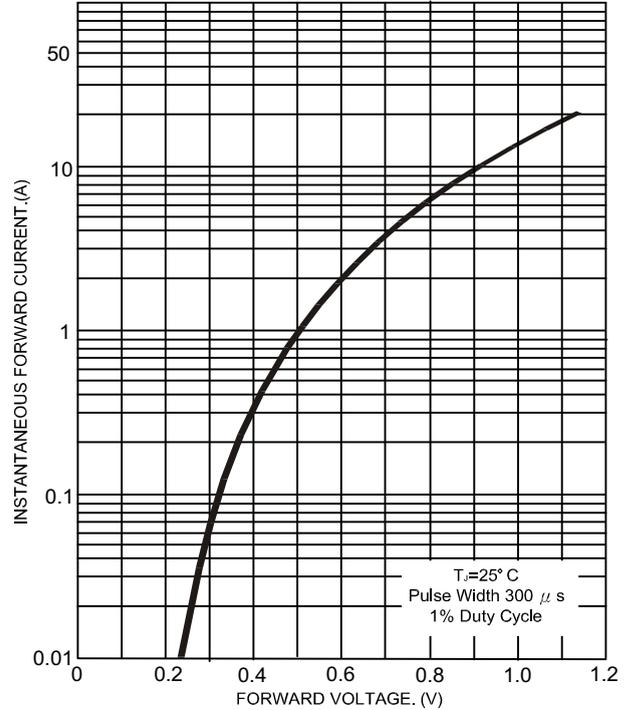


FIG.3 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

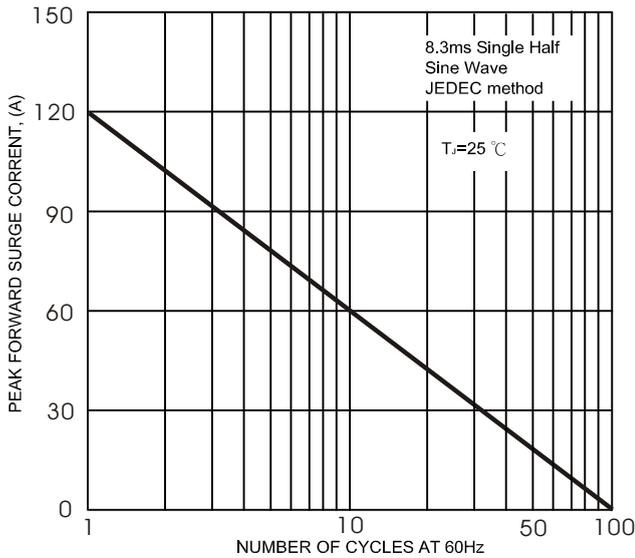


FIG.5 - TYPICAL REVERSE CHARACTERISTICS

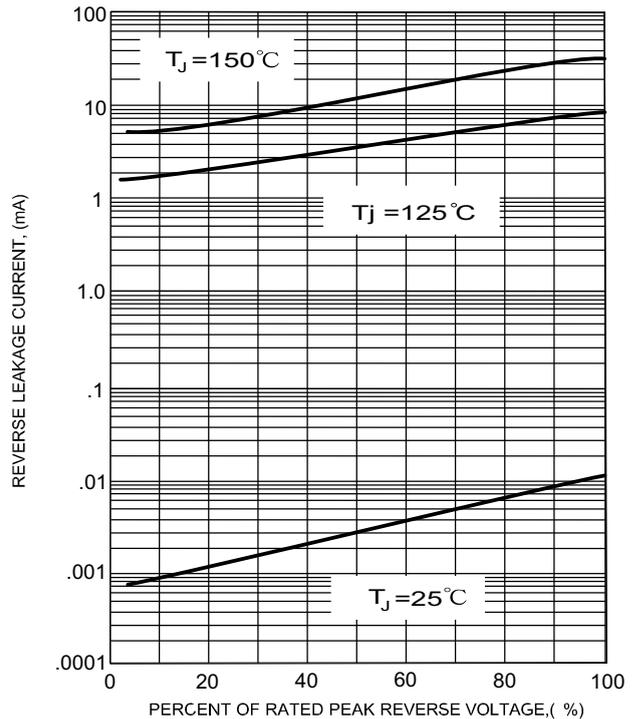
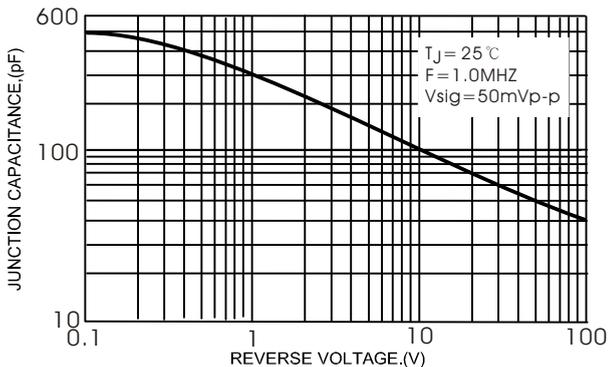


FIG.4 - TYPICAL JUNCTION CAPACITANCE





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