SCHOTTKY BARRIER RECTIFIERS

TO-263AB

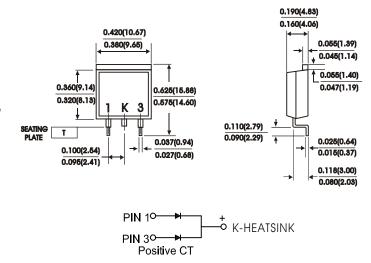
FEATURES:

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

MECHANICAL DATA

Case: JEDEC TO-263AB molded plastic Teminals: Leads solderable per MIL-STD-750

Method 2026 Polarity: As marked **Mounting Postition: Any** Mounting Torque 5 In - Ibs.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%.

Characteristic	Symbol	SRB 3020CT	SRB 3030CT	SRB 3035CT	SRB 3040CT	SRB 3045CT	SRB 3050CT	SRB 3060CT	Units
Maximum recurrent peak reverse voltage	V _{RRM}	20	30	35	40	45	50	60	Volts
Maximum RMS voltage	V _{RMS}	14	21	25	28	32	35	42	Volts
Maximum DC blocking voltage	V_{DC}	20	30	35	40	45	50	60	Volts
Maximum average forward rectified current at See fig. 1	I _(AV)	30							Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)(Per leg)	I _{FSM}	200							Amps
Maximum instantaneous forward voltage (Per leg)(NOTE 2) IF=15A	V _F	0.65 0.80						Volts	
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	lβ	1.0 60						mA	
Typical thermal resistance (Per leg)(NOTE 1)	R _{th} -JC	1.5							°C/W
Operating temperature range	TJ	-65to+150							°C
Storage temperature range	T _{Stg}	-65to+175							°C

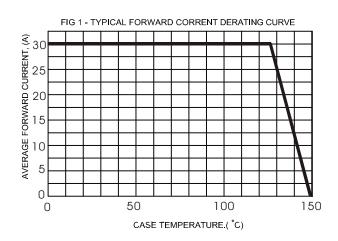
NOTES:

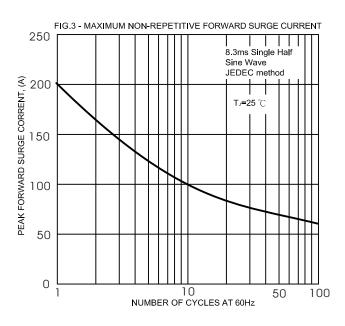
(1)Thermal resistance from junction to case

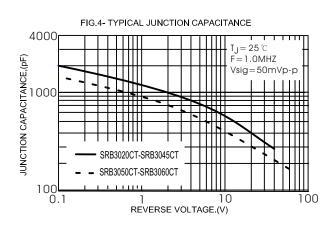
(2) Pulse test: 300 us pulse width, 1% duty cycle

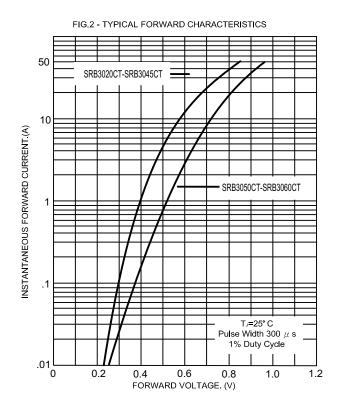
(3)Marking: SR3020CT = SR3020 (Without Marking "CT")
Symbol Marking

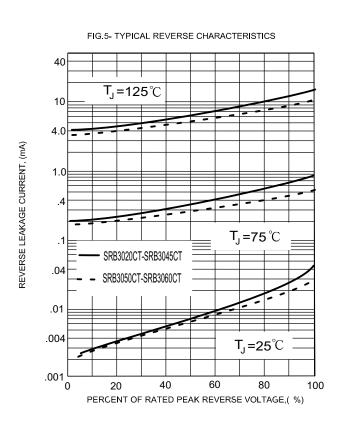
RATINGS AND CHARACTERISTIC CURVES











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SRB3020CT THRU SRB3060CT

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