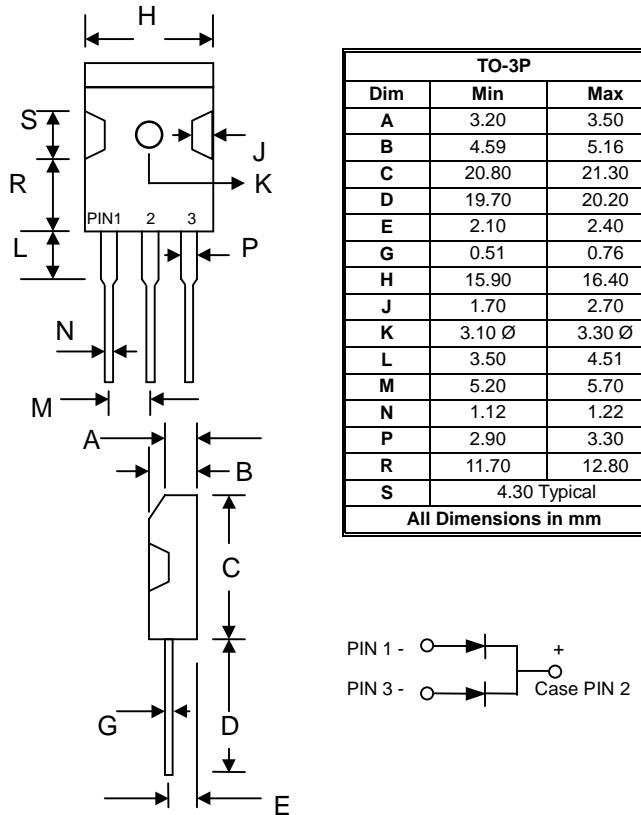


Features

- Schottky Barrier Chip
- Guard Ring for Transient Protection
- High Current Capability, Low Forward
- Low Reverse Leakage Current
- High Surge Current Capability
- Plastic Material has UL Flammability Classification 94V-O

Mechanical Data

- Case: Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-750, Method 2026
- Polarity: As Marked on Body
- Weight: 5.6 grams (approx.)
- Mounting Position: Any
- Marking: Type Number



Maximum Ratings and Electrical Characteristics $\text{@T}_A=25^\circ\text{C}$ unless otherwise specified

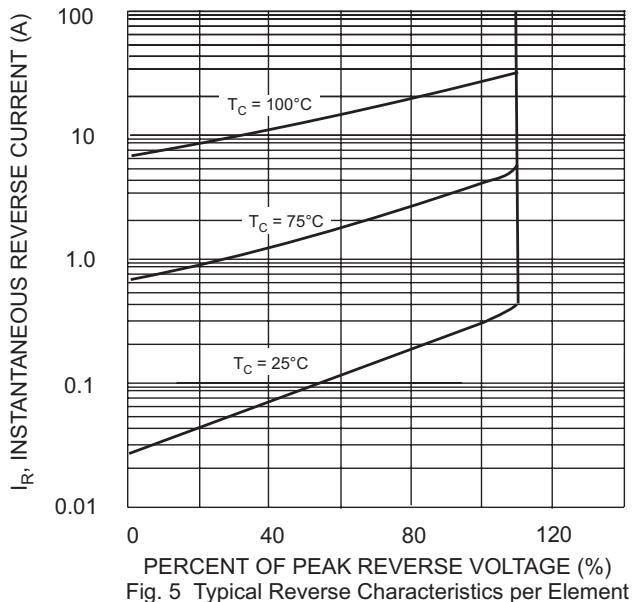
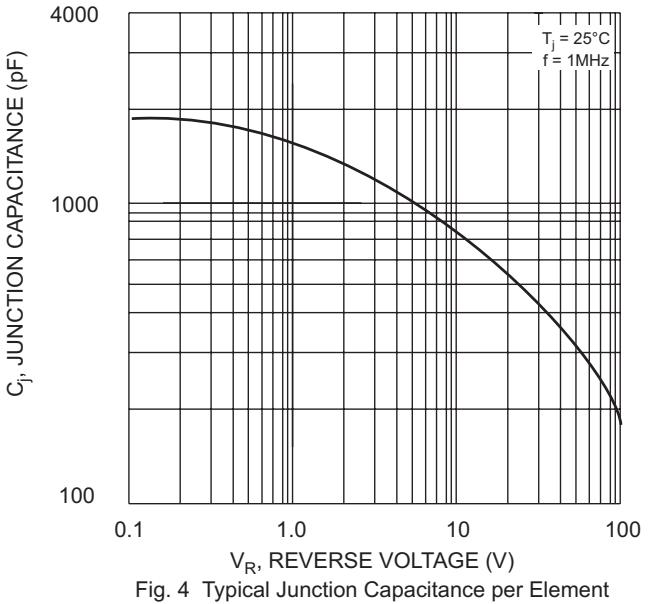
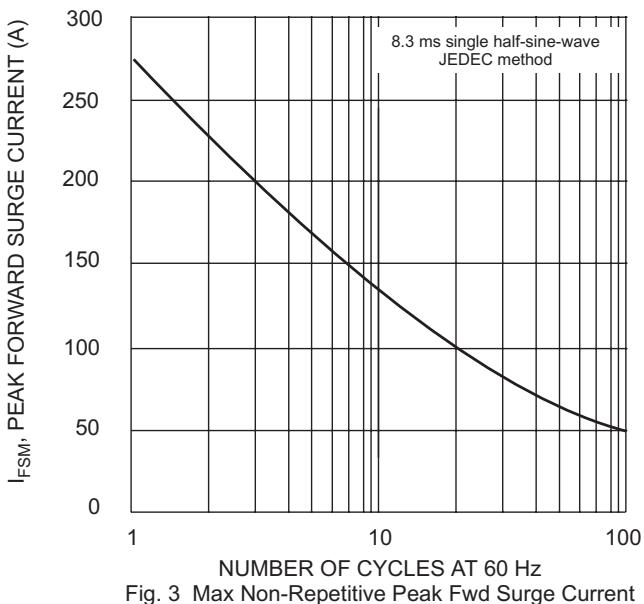
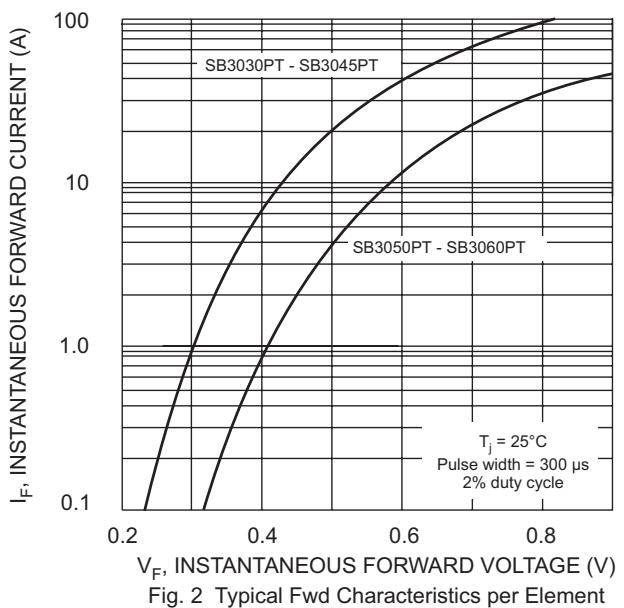
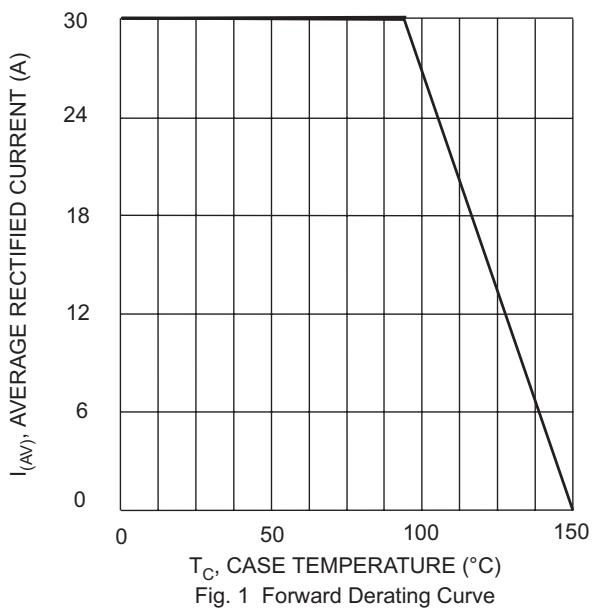
Single Phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

Characteristic	Symbol	SB 3030PT	SB 3035PT	SB 3040PT	SB 3045PT	SB 3050PT	SB 3060PT	Unit
Peak Repetitive Reverse Voltage	V _{RRM}							
Working Peak Reverse Voltage	V _{RWM}	30	35	40	45	50	60	V
DC Blocking Voltage	V _R							
RMS Reverse Voltage	V _R (RMS)	21	24.5	28	31.5	35	42	V
Average Rectified Output Current $\text{@T}_C = 95^\circ\text{C}$	I _o				30			A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}				275			A
Forward Voltage $\text{@I}_F = 15\text{A}$	V _{FM}			0.55		0.70		V
Peak Reverse Current $\text{@T}_A = 25^\circ\text{C}$ $\text{@T}_A = 100^\circ\text{C}$	I _{RM}				1.0			mA
75								
Typical Junction Capacitance (Note 1)	C _j			1100				pF
Typical Thermal Resistance Junction to Case (Note 2)	R _{θJC}			2.0				K/W
Operating and Storage Temperature Range	T _j , T _{STG}			-65 to +150				°C

Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

2. Thermal resistance junction to case mounted on heatsink.



ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
SB3030PT	TO-3P	30 Units/Tube
SB3035PT	TO-3P	30 Units/Tube
SB3040PT	TO-3P	30 Units/Tube
SB3045PT	TO-3P	30 Units/Tube
SB3050PT	TO-3P	30 Units/Tube
SB3060PT	TO-3P	30 Units/Tube

Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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We power your everyday.