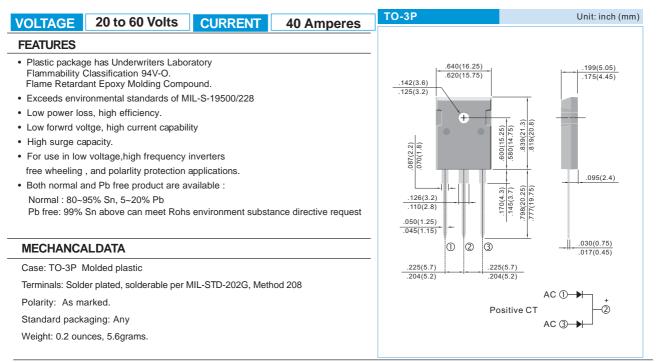




## DATA SHEET

## SB4020PT~SB4060PT

**ISOLATION SCHOTTKY BARRIER RECTIFIERS** 



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

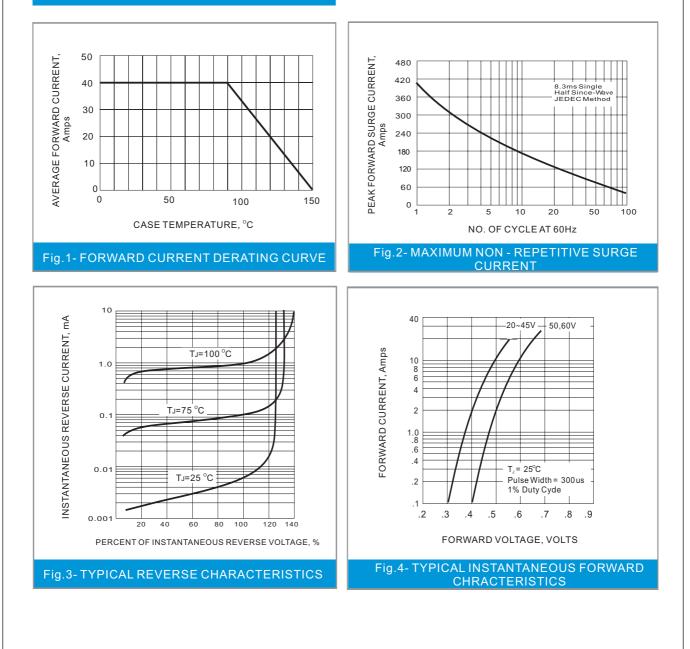
Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%

PARAMETER	SYMBOL	SB40 20PT	SB40 30PT	SB40 35PT	SB40 40PT	SB40 45PT	SB40 50PT	SB40 60PT	UNITS
Maximum Recurrent Peak Reverse Voltage	$V_{\text{RRM}}$	20	30	35	40	45	50	60	V
Maximum RMS Voltage	$V_{\text{RMS}}$	14	21	24.5	28	31.5	35	42	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	20	30	35	40	45	50	60	V
Maximum Average Forward Current .375"(9.5mm) lead length a t Tc =100	lav	40							А
Peak Forward Surge Current :8.3ms single half sine- wave superimposed on rated load (JEDEC method)	I <sub>FSM</sub>	350							А
Maximum Forward Voltage at 20A	VF	0.55 0.70						V	
Maximum DC Reverse Current TA=25 at Rated DC Blocking Voltage TA=100	l <sub>R</sub>	1.0 100							mA
Maximum Thermal Resistance	R <sub>ejc</sub>	1.5							/ W
Operating Junction and Storage Temperature Range	$T_{\rm J}, T_{\rm STG}$	- 50 to + 150							

Note.

Both Bonding and Chip structure are available.





1 T 1