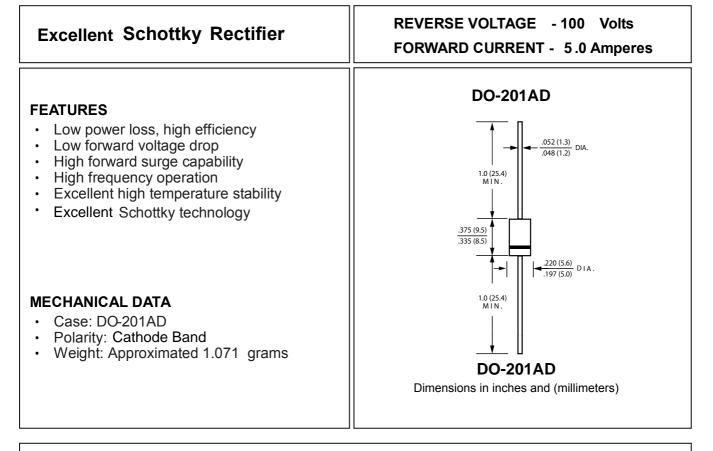


SB5100L



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 $^\circ\!\!\mathbb{C}$ ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load. derate current by 20%

Characteristics	Symbol	Value		Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100		V
RMS Reverse Voltage	V_{RMS}	70		V
Forward Voltage Drop I _F =1A (T _J =25°C) I _F =5 A (T _J =25°C)	V _F	Тур. 0.43 -	Max. - 0.7	v
Maximum Reverse Current at Rated V _{RRM} T _J =25°C T _J =100°C	I _R	Max. 200 10		μA mA
Maximum Average Forward Rectified Current Total device	I _F	5		A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	100		A
Peak Repetitive Reverse Current at tp=2 µs, 1 kHz,	I _{RRM}	1.0		А
Operating and StorageTemperature Range	$T_{J,} T_{STG}$	-55 to +150		°C



Rating and Characteristic Curves

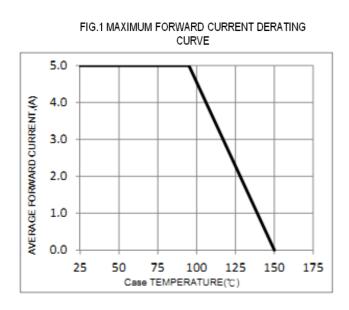
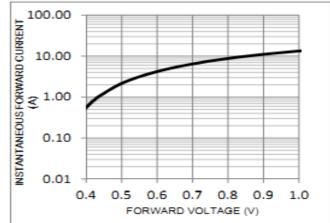


FIG. 2 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER LEG



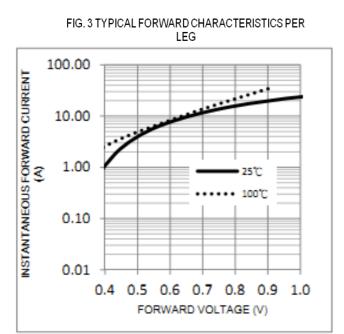


FIG.4 TYPICAL REVERSE CHARACTERISTICS PER LEG

