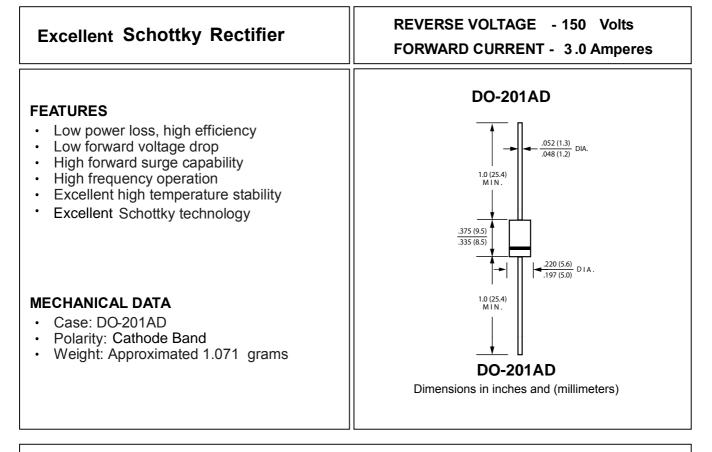


SB3150L



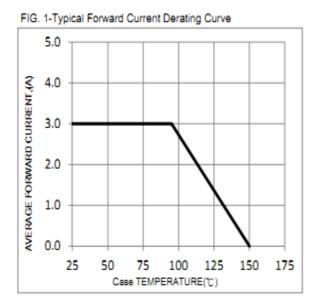
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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}	150		V
RMS Reverse Voltage	V _{RMS}	105		V
Forward Voltage Drop		Тур.	Max.	
I _F =3 A (T _J =25℃)	V_{F}	-	0.79	V
Maximum Reverse Current at Rated V_{RRM} T _J =25°C T _J =125°C	I _R	Max. 200 50		μA mA
Maximum Average Forward Rectified Current Total device	I _F	3		А
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	80		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



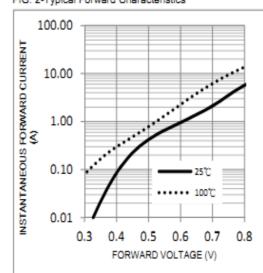


FIG. 2-Typical Forward Characteristics

FIG. 3-Maximum Non-Repetitive Forward Surge Current

