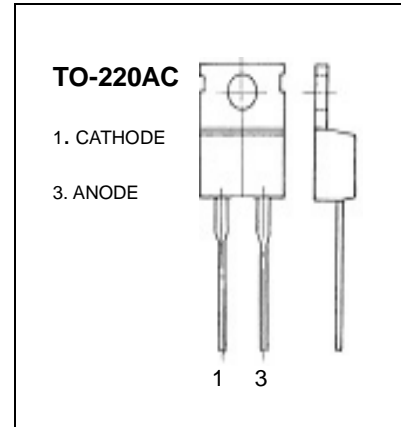


## SBL1540 SCHOTTKY BARRIER RECTIFIER

### FEATURES

- Schottky Barrier Chip
- Guard Ring Die Construction for Transient Protection
- Low Power Loss, High Efficiency
- High Surge Capability
- High Current Capability and Low Forward Voltage Drop
- For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications



### ELECTRICAL CHARACTERISTICS ( $T_{amb}=25^{\circ}\text{C}$ unless otherwise specified)

Characteristic	Symbol	Value	Unit
Peak Repetitive Reverse Voltage	$V_{RRM}$	40	V
Working Peak Reverse Voltage	$V_{RWM}$		
DC Blocking Voltage	$V_R$		
Average Rectified Output Current (Note 1)	$I_O$	15	A
Forward Voltage Drop @ $I_F=15\text{A}$ , $T_C=25^{\circ}\text{C}$	$V_F$	0.55	V
Peak Reverse Current at Rated DC Blocking Voltage @ $T_C=25^{\circ}\text{C}$	$I_R$	0.45	mA
Operating and Storage Temperature Range	$T_J, T_{STG}$	-55 to +150	$^{\circ}\text{C}$

Notes: 1. Thermal resistance junction to case mounted heat sink.