Transys Electronics LIMITED

SBL1540 SCHOTTKY BARRIER RECTIFIER

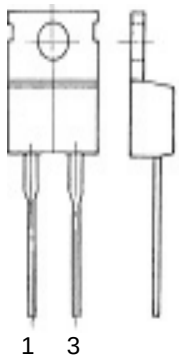
FEATURES

- 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

TO-220AC

1. CATHODE

3. ANODE



ELECTRICAL CHARACTERISTICS (Tamb=25℃ unless otherwise specified)

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

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

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