



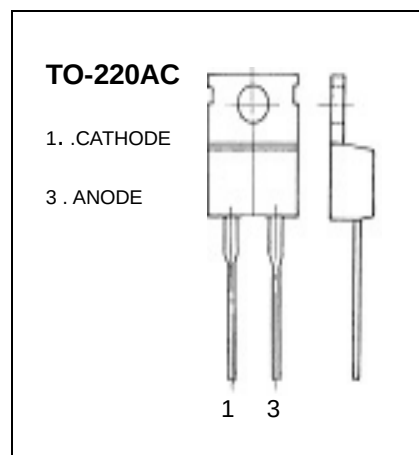
JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

TO-220AC Plastic-Encapsulate Diodes

SBL1040 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 Working Peak Reverse Voltage DC Blocking Voltage	V_{RRM} V_{RWM} V_R	40	V
Average Rectified Output Current (Note 1)	I_O	10	A
Forward Voltage Drop @ $I_F=10\text{A}$, $T_C=25^{\circ}\text{C}$	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.