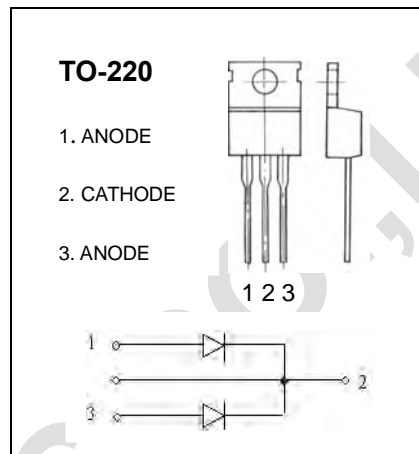


### SBL3040CT SCHOTTKY BARRIER RECTIFIER

#### 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<sub>amb</sub>=25°C unless otherwise specified)

Characteristic	Symbol	Value	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V <sub>RRM</sub> V <sub>RWM</sub> V <sub>R</sub>	40	V
Average Rectified Output Current per leg (Note 1) per package	I <sub>O</sub>	15 30	A
Forward Voltage Drop @ I <sub>F</sub> =30A, T <sub>C</sub> =25°C	V <sub>F</sub>	0.55	V
Peak Reverse Current at Rated DC Blocking Voltage @ T <sub>C</sub> = 25°C	I <sub>R</sub>	0.45	mA
Operating and Storage Temperature Range	T <sub>j</sub> , T <sub>STG</sub>	-55 to +150	°C

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