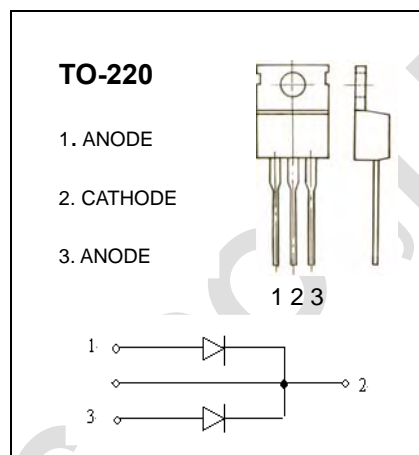


## SBL2030CT SCHOTTKY BARRIER RECTIFIER

### 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	V <sub>RRM</sub>	30	V
Peak RMS Voltage	V <sub>RMS</sub>	21	
DC Blocking Voltage	V <sub>R</sub>	30	
Average Rectified Output Current	I <sub>O</sub>	10	A
(Note 1)		20	
Forward Voltage Drop @ I <sub>F</sub> =20A, 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>	1 50	mA
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-40 to +125	°C

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