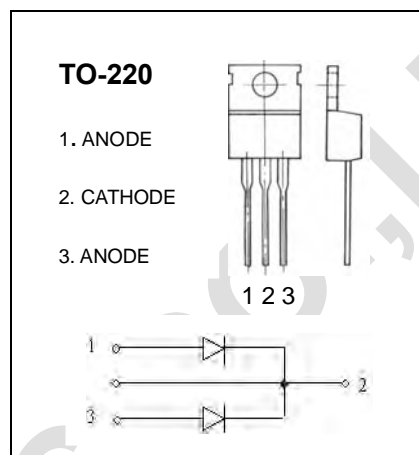


SBL2040CT SCHOTTKY BARRIER RECTIFIER

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°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	10	A
Per leg Per package		20	
Forward Voltage Drop @ I _F =20A, T _C =25°C	V _F	0.55	V
Peak Reverse Current at Rated DC Blocking Voltage @ T _C = 25°C	I _R	0.45	mA
Operating and Storage Temperature Range	T _j , T _{STG}	-55 to +150	°C

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