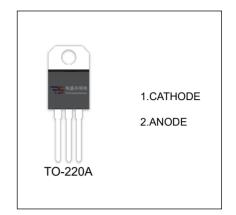


MBR10150,200

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



MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)

Symbol	Parameter			
		MBR10150	MBR10200	Unit
V _{RRM}	Peak repetitive reverse voltage			
V _{RWM}	Working peak reverse voltage	150	200	V
V _R	DC blocking voltage			
V _{R(RMS)}	RMS reverse voltage	105	140	V
Io	Average rectified output current	10		А
I _{FSM}	Non-Repetitive peak forward surge current 8.3ms half sine wave	150		А
P _D	Power dissipation	2		W
R _{OJA}	Thermal resistance from junction to ambient	50		°C/W
Tj	Operating Junction Temperature Range	-40 ~ +125		°C
T _{stg}	Storage Temperature Range	-55 ~ +150		°C

ELECTRICAL CHARACTERISTICS (T_a=25℃ unless otherwise specified)

Parameter	Symbol	Device	Test conditions	Min	Тур	Max	Unit
Reverse voltage	V _(BR)	MBR10150	I _R =0.1mA	150			V
Reverse voitage		MBR10200		200			
Reverse current	I _R	MBR10150	V _R =150V			9	μА
Neverse current		MBR10200	V _R =200V				
Forward voltage	V _F	MBR10150	- I _F =10A			1	V
Forward voitage		MBR10200				1.05	



