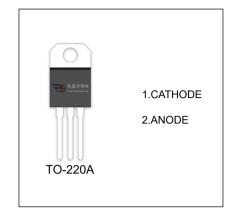


MBR1060,80,90,100

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 $^{\circ}$ C unless otherwise noted)

Symbol	Parameter					
		MBR1060	MBR1080	MBR1090	MBR10100	Unit
V _{RRM}	Peak repetitive reverse voltage					
V _{RWM}	Working peak reverse voltage	60	80	90	100	V
V _R	DC blocking voltage					
V _{R(RMS)}	RMS reverse voltage	42	56	63	70	V
lo	Average rectified output current		Α			
	Non-Repetitive peak forward surge current		А			
I _{FSM}	8.3ms half sine wave					
P _D	Power dissipation		W			
R _{OJA}	Thermal resistance from junction to ambient		°C/W			
T _j	Operating Junction Temperature Range		°C			
T _{stg}	Storage Temperature Range		°C			

ELECTRICAL CHARACTERISTICS (T_a=25℃ unless otherwise specified)

Parameter	Symbol	Device	Test conditions	Min	Тур	Max	Unit
	V _(BR)	MBR1060	I _R =1mA	60			V
Reverse voltage		MBR1080		80			
Neverse voltage		MBR1090		90			
		MBR10100		100			
	I _R	MBR1060	V _R =60V			0.1	mA
Reverse current		MBR1080	V _R =80V				
Reverse current		MBR1090	V _R =90V				
		MBR10100	V _R =100V				
Forward voltage	V _F	MBR1060	I _F =10A			0.8	V
Forward voilage	٧F	MBR1080-100	IF-TOA			0.84	V



