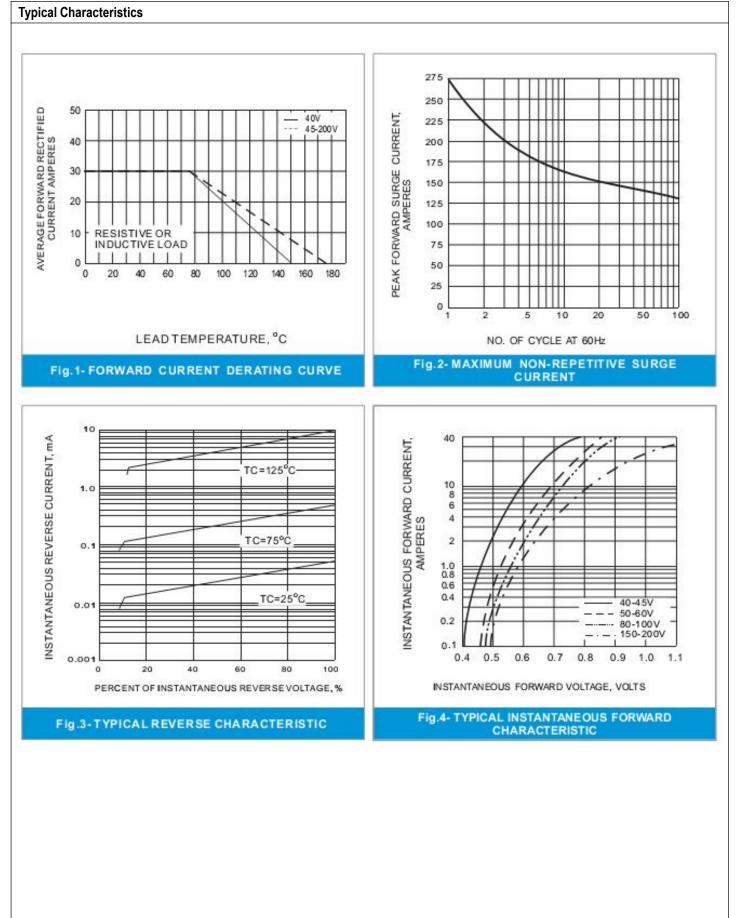


MBR3040FCT~MBR30200FCT

MBR3040FCT~MBR30200FCT										
30 AMPERES SCHOTTKY BARRIER RECTIFIERS								DRAWING		
Voltage 40 to 200 Volts	Current	rrent 30 Amperes								
Feature									197	
 Plastic package has underwriters laboratory 								1	+ 14-	
Flammability classification 94v-O.										
Flame retardant epoxy molding compound.								144		
Metal silicon junction, majority carrier condition.								->+	• 4	
Low power loss, high efficiency.										
 High current capability 										
 Guarding for overvoltage protection 										
For use in low voltage, high frequency inverters free	e wheeling	g, and pola	rity protect	ion applica	tions.					
In compliance with EU ROHS 2002/95/EC directive	S.									
Case: ITO-220AB										
Maximum ratings and Electrical Characteristic	S									
Ratings at 25 $^\circ\!\mathrm{C}$ ambient temperature unless otherwise sp	ecified pl	hase, half v	wave, 60Hz	z, resistive	or inductive	load.				
For capacitive load, derate current by 20%.								1		
PARAMETER	Symb	MBR3040	MBR30	MBR30	MBR30	MBR30	MBR30	MBR30	Units	
	ol	FCT	45FCT	50FCT	60FCT	100FCT	150FCT	200FCT		
Maximum Recurrent Peak Reverse Voltage	Vrrm	40	45	50	60	100	150	200	V	
Maximum RMS Voltage	V _{RMS}	40	45	50	60	100	150	200	V	
Maximum DC Blocking Voltage	V _{DC}	40	45	50	60	100	150	200	V	
Maximum Average Forward Current	I _{F(AV)}	30							A	
Peak Forward Surge Current :8.3ms single half										
sine-wave superimposed on rated load (JEDEC										
method)	IFSM	200							A	
Maximum Forward Voltage at 15A,per leg	VF	0.7		0.85		0.9	1.1	1.0	V	
Maximum DC Reverse Current TJ=25 $^\circ\!\mathrm{C}$ at Rated DC		0.2								
Blocking Voltage TJ=125°C	IR	50							mA	
Typical Thermal Resistance	R _{Θjc}	3						°C/W		
Operating Junction and Storage Temperature Range	TJ,TST	-50 to								
	G	+150 -65 to +175							°C	



MBR3040FCT~MBR30200FCT





MBR3040FCT~MBR30200FCT

Mechanical Dimensions

