

MBR4040FCT~MBR40200FCT

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40	AMPERE													
		Voltage	40 to 200 Volts		Current	40 A	nperes							
Features														
۲	Plastic package has underwriters laboratory										-	7		
	Flammability classification 94v-O.									111	7			
	Flame retardant epoxy molding compound.									////				
۲	Metal silicon junction, majority carrier condition.													
۲	Low power loss, high efficiency.										→ • • - •			
۲	High current of	capability												
۲	Guarding for o	over voltage pro	tection											
۲	For use in low voltage, high frequency inverters free wheeling, and polarity protection applications.													
۲	In compliance with EU ROHS 2002/95/EC directives.													
۲	Case: ITO-22	0AB												
Max	timum rating	s and Electri	ical Characteristics	\$										
Ratir	ngs at 25℃ am	bient temperatu	re unless otherwise spe	ecified ph	nase, half v	vave, 60Hz	, resistive o	r inductive	e load.					
For o	capacitive load,	derate current b	oy 20%.											
				Svmb	MBR404	MBR40	MBR40	MBR40	MBR40	MBR40	MBR40			

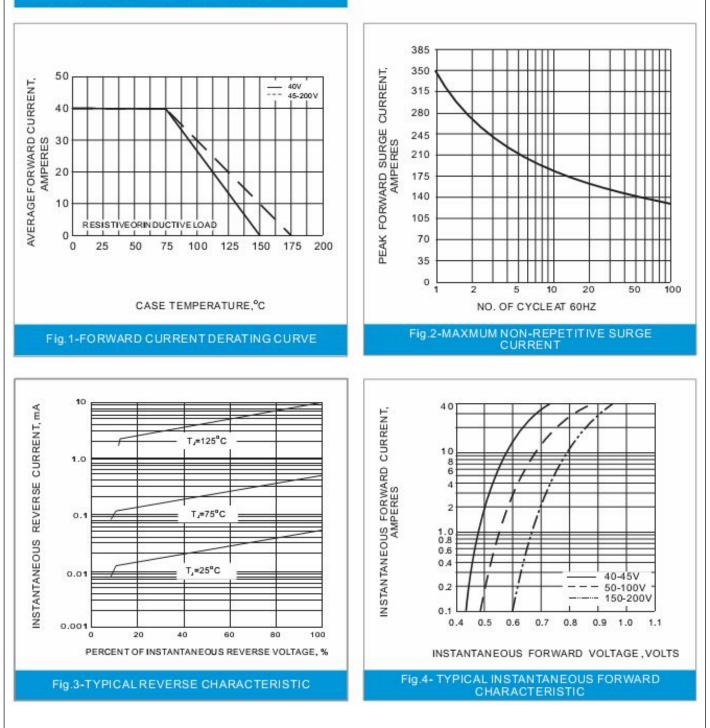
PARAMETER	Symb ol	MBR404 0FCT	MBR40 45FCT	MBR40 50FCT	MBR40 60FCT	MBR40 100FCT	MBR40 150FCT	MBR40 200FCT	Units
Maximum Recurrent Peak Reverse Voltage	VRRM	40	45	50	60	100	150	200	v
Maximum RMS Voltage	V _{RMS}	40	45	50	60	100	150	200	v
Maximum DC Blocking Voltage	V _{DC}	40	45	50	60	100	150	200	V
Maximum Average Forward Current	I _{F(AV)}	40							A
Peak Forward Surge Current :8.3ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	250							A
Maximum Forward Voltage at 20A,per leg	VF	0.7		0.75		1.2		1.0	V
Macimum DC Reverse Current TJ=25°C at Rated DC Blocking Voltage TJ=125°C	I _R	0.1 50							mA
Typical Thermal Resistance		1.2							°C/W
Operating Junction and Storage Temperature Range	TJ,TST G	-50 to +150 -65 to +175					°C		



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Typical Characteristics

RATING AND CHARACTERISTIC CURVES





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Mechanical Dimensions

