

MBR1540FCT~MBR15200FCT

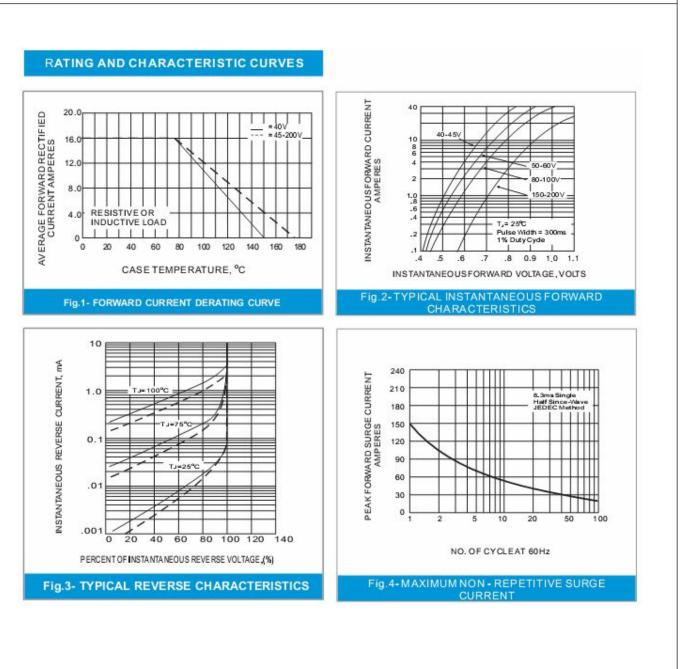
MBR1540FCT~MBR15200FCT

5	5 AMPERES SCHOTTKY BARRIER RECTIFIERS									DRAWING	
-	Voltage 40 to 20	0 Volts	Curren	t 15 /	Amperes						
ea	tures										
>	Plastic package has underwriters laboratory									-	
	Flammability classification 94v-O.								11	7-1	
	Flame retardant epoxy molding compound.								////		
>	lastic package has underwriters laboratory lammability classification 94v-O. lame retardant epoxy molding compound. letal silicon junction, majority carrier condition.										
>	ow power loss, high efficiency.										
>	High current capability										
≽	Suarding for over voltage protection										
>	For use in low voltage, high frequency invert	ers free wheelir	ng, and pola	arity protect	tion applica	tions.					
>	In compliance with EU ROHS 2002/95/EC di	rectives.									
>	Case: ITO-220AB										
lax	kimum ratings and Electrical Characte	eristics									
ati	ngs at 25 $^\circ\!\mathrm{C}$ ambient temperature unless other	wise specified p	hase, half	wave, 60Hz	z, resistive	or inductive	load.				
or	capacitive load, derate current by 20%.										
	PARAMETER	Symb	MBR154	MBR15	MBR15	MBR15	MBR15	MBR15	MBR15	Units	
	FANAMETEN	ol	OFCT	45FCT	50FCT	60FCT	100FCT	150FCT	200FCT	Onits	
Ма	aximum Recurrent Peak Reverse Voltage	VRRM	40	45	50	60	100	150	200	v	
Ма	aximum RMS Voltage	V _{RMS}	40	45	50	60	100	150	200	v	
Ма	aximum DC Blocking Voltage	V _{DC}	40	45	50	60	100	150	200	v	
Ma	aximum Average Forward Current	I _{F(AV)}		15							
	Forward Surge Current :8.3ms single half										
me	ave superimposed on rated load (JEDEC IFSM 120								A		
Ма	aximum Forward Voltage at 7.5A,per leg	V _F	0.7		0.75		0.8	0.9		v	
Ма	imum DC Reverse Current TJ=25 $^\circ\!\!\mathbb{C}$ at Rated DC			0.2							
Blo	ocking Voltage TJ=125℃	IR	50						mA		
Ту	al Thermal Resistance R _{ojc} 2					2				°C/W	
_	perating Junction and Storage Temperature Ra	TJ,TST	-50 to	-50 to +150						°C	



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Typical Characteristics





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