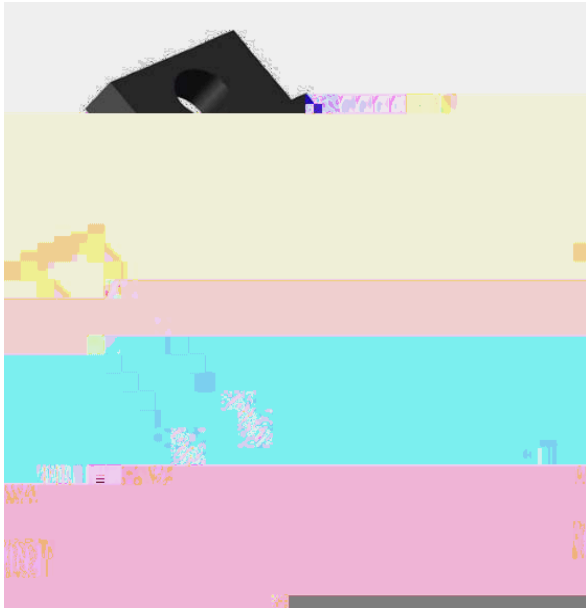




- High frequency operation
- Low forward voltage drop
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced ruggedness and long term reliability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

Typical applications are in switching power supplies, converters, freewheeling diodes, and reverse battery protection.

- : ITO-220AC
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- : As marked

($T_a=25$ Unless otherwise specified)

Device marking code			MBR560F
Repetitive Peak Reverse Voltage	VRRM	V	60
Average Rectified Output Current @60Hz sine wave, R-load, $T_a=25$	IO	A	5
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, $T_a=25$	IFSM	A	120
Current Squared Time @1ms≤t<8.3ms $T_j=25$	I ² t	A ² s	60
Storage Temperature	Tstg		-55 ~ +150
Junction Temperature	Tj		-55 ~ +150

$T_a=25$ Unless otherwise specified

Maximum instantaneous forward voltage drop per diode	VFM	V	IFM=5.0A	0.72
Maximum DC reverse current at rated DC blocking voltage per diode	IRRM1	mA	VRM=VRRM $T_a=25$	0.2
	IRRM2		VRM=VRRM $T_a=100$	50

Note1:Pulse test:300uS pulse width,1% duty cycle

Note2:Pulse test:pulse width 40mS



T_a=25 Unless otherwise specified

Thermal Resistance	Between junction and case	R _{θJ-C}	/W	4.0

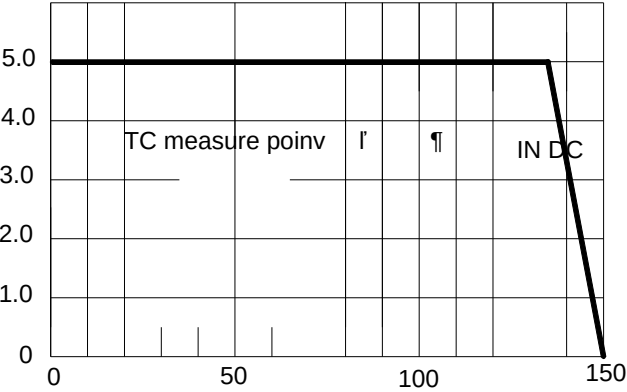


(Example)

MBR560F	Approximate 1.5	50	1000	5000	Tube



(Typical)



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