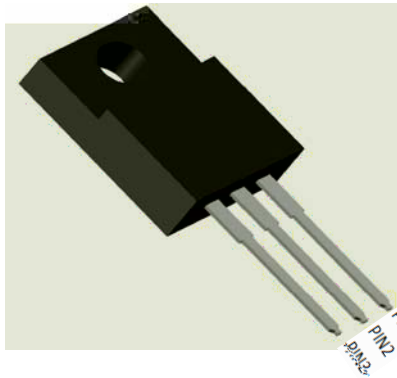


Schottky Diodes



Features

- High frequency operation
- Low forward voltage drop
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced rugged rating, RoHS-compliant

- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** As marked

■Maximum Ratings ($T_a=25$ Unless otherwise specified)

PARAMETER			° 0150FCTS
Device marking code			MBR20150FCTS
Repetitive Peak Reverse Voltage	VRRM	V	150
Average Rectified Output Current @60Hz sine wave, R-load, $T_a=25$	IO	A	20
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, $T_a=25$	IFSM	A	130
Current Squared Time @1ms≤t≤8.3ms $T_j=25$	I ² t	A ² s	70
Storage Temperature	Tstg		-55 ~ +175
Junction Temperature	Tj		-55 ~ +175

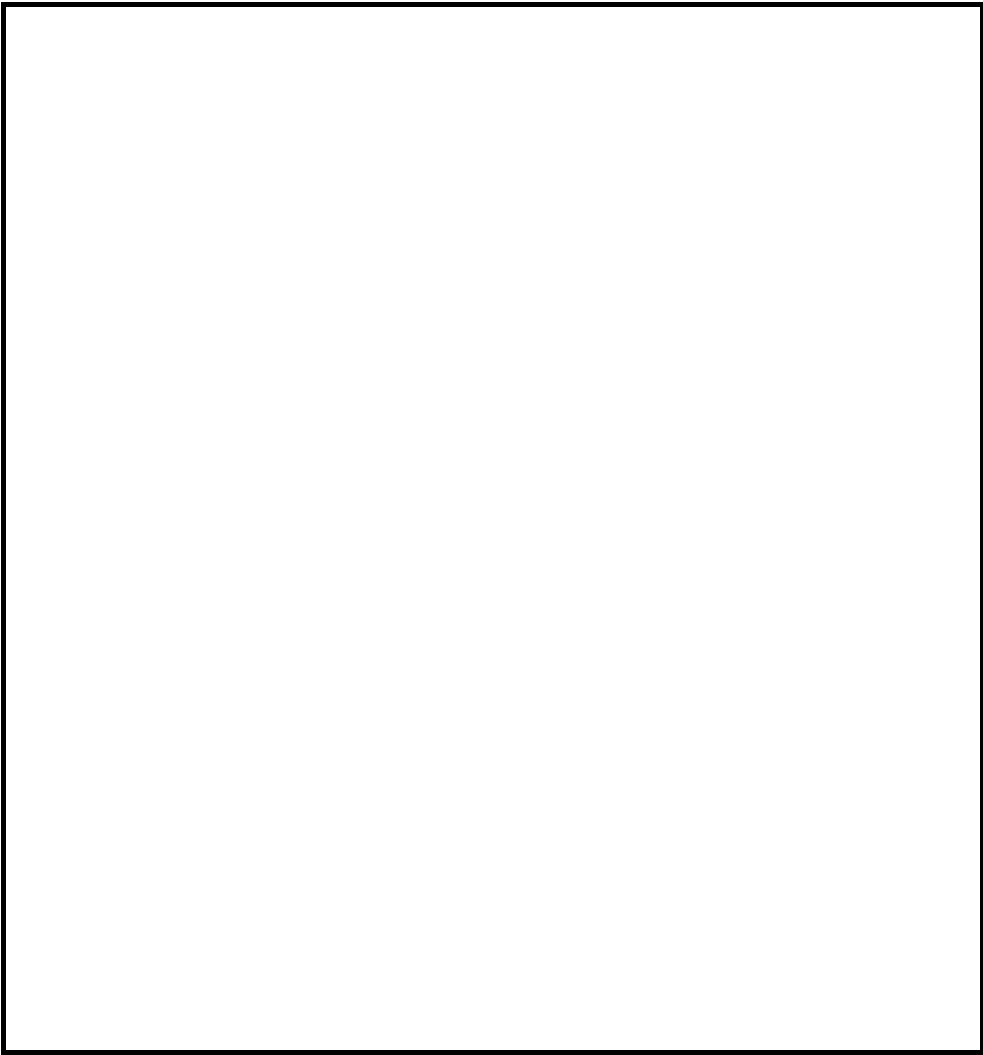
■Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MBR20150FCTS
Maximum instantaneous forward voltage drop per diode	VFM	V	IFM=10.0A	0.9
Maximum DC reverse current at rated DC blocking voltage per diode	I _{RRM1}	mA	VRM=VRRM $T_a=25$	0.1
	I _{RRM2}		VRM=VRRM $T_a=125$	20

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

Note2:Pulse test:pulse width 40mS

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