



MBRL30200FCT

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	SYMBOL	UNIT	MBRL30200FCT
Device marking code			MBRL30200FCT
Repetitive Peak Reverse Voltage	VRRM	V	200
Average Rectified Output Current @60Hz sine wave, R-load, T_a FIG 1	IO	A	30
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, $T_a=25$	IFSM	A	220
Current Squared Time @1ms $t \leq 8.3ms$ $T_j=25$	I^2t	A ² s	200
Storage Temperature	T_{stg}		-55 ~ +150
Junction Temperature	T_j		

Maximum instantaneous forward voltage drop per diode	VFM	V	IFM=15.0A	0.88
Maximum DC reverse current at rated DC blocking voltage per diode	I _{RRM1}	mA	V _{RM} =V _{RRM} $T_a=25$	0.1
	I _{RRM2}		V _{RM} =V _{RRM} $T_a=100$	20

Note1:Pulse test:300uS pulse width,1% duty y ä PNote1 Pulse test:0ulse w



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Thermal Characteristics $T_a=25$ Unless otherwise specified

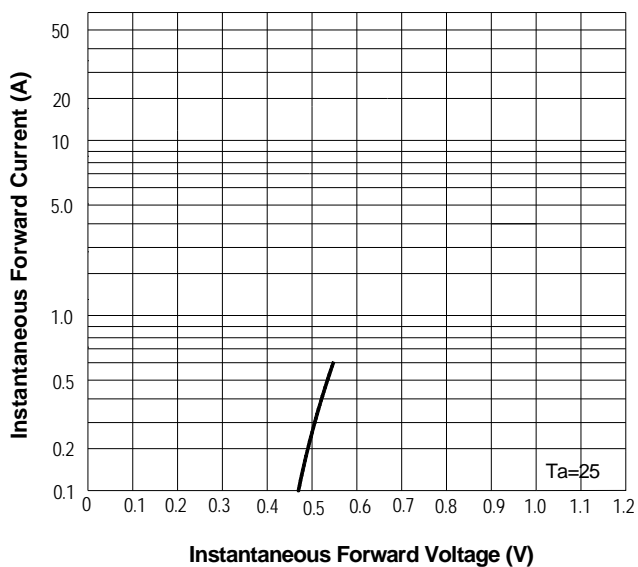
PARAMETER		SYMBOL	UNIT	MBRL30200FCT
Thermal Resistance	Between junction and case	R J-C	/W	4.0

Ordering Information (Example)

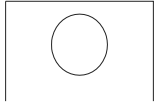
PREFERRED P/N	UNIT WEIGHT(g)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
MBRL30200FCT	Approximate 1.6	50	1000	5000	Tube

Characteristics (Typical)

FIG3: Forward Voltage



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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controller