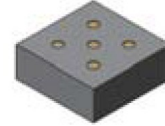


Features

- Multi Junction Chip Design
- Low Noise
- Small Junction Capacitance



Consult Factory for other package styles.

Description

The MNM2xx Series of medium barrier Schottky diodes are metal semiconductor junction devices that have a typical short reverse recovery time. This allows their use at high microwave frequencies when the performance of the n-type may be reduced. The forward I-V of Schottky diodes is determined by the junction metal used. For every different metal selection there is a different forward voltage characteristic or “Barrier Height”. The devices are best suited for applications through 26 GHz and are ideally suited for use in mixers, detectors, doublers, and modulators.

Static Sensitivity

These electronic devices are sensitive to electrostatic discharge (ESD) and can be damaged by static electricity. Proper ESD control techniques should be used when handling these devices.

Electrical Characteristics^{1,2}: T_A = +25°C

Model	Breakdown Voltage @ 10 μ A	Forward Voltage @ 1 mA	Junction Capacitance @ 0 V, 1 MHz	Series Resistance @ 5 mA	Tangential Signal Sensitivity
	(V _{BR})	(V _F)	(C _J)	(R _S)	(T _{SS})
	V	V	pF	Ω	dB
	Min.	Max.	Typ.	Typ.	Typ.
MNM200	3	0.40	0.14	20	52
MNM201			0.20		50
MNM202			0.12		48
MNM203			0.14		45
MNM204	4	0.425	0.15	20	52
MNM205			0.15		50
MNM206			0.12		48
MNM207			0.14		45
MNM208	4	0.450	0.14	20	52
MNM209			0.15		50
MNM210			0.12		48
MNM211	5		0.25		45
MNM212	5	0.475	0.21	20	52
MNM213			0.15		50
MNM214			0.12		48
MNM215			0.15		45

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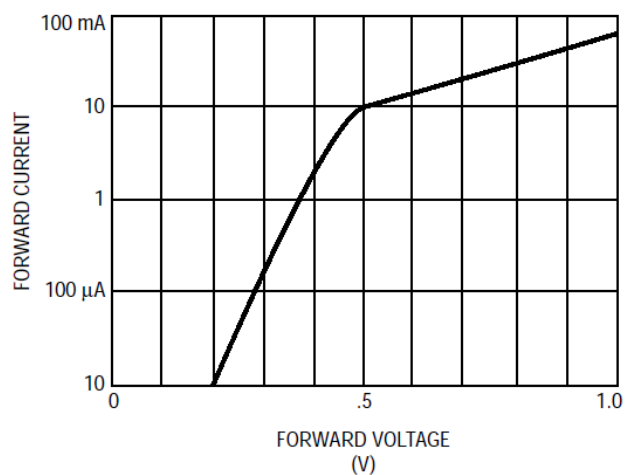
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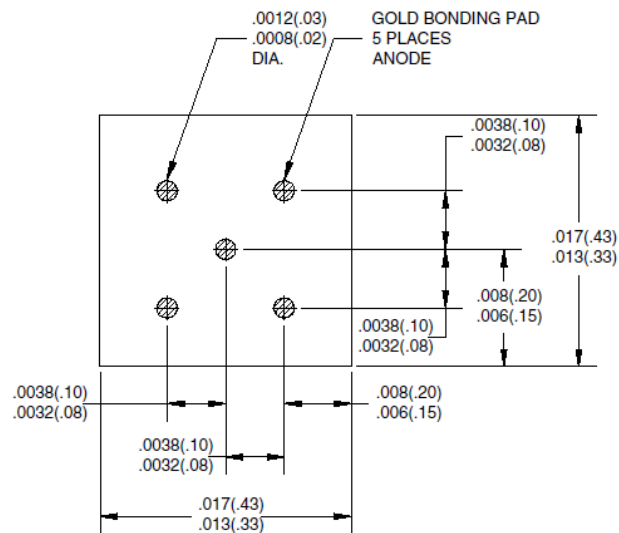
Absolute Maximum Ratings @ +25°C

Parameters	Rating
Power Dissipation	250 mW Derate linearly to 0 @ +150°C
Operating Temperature	-55°C to +150°C
Storage Temperature	-65°C to +200°C

Forward Current vs. Forward Voltage



Outline (CS10)



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