

# Zero Bias Schottky Diode Detectors

## NETWORK MATCHED

### *DMN Series*

10 MHz to 26.5 GHz

- ◆ Low VSWR
- ◆ Extremely Flat Frequency Response
- ◆ No Bias Required

## RESISTIVE MATCHED

### *DZN Series*

10 MHz to 18.5 GHz

- ◆ Flat Frequency Response
- ◆ High Voltage Sensitivity
- ◆ No Bias Required

## INPUT TERMINATED

### *DXN Series*

10 MHz to 18.5 GHz

- ◆ Very High Voltage Sensitivity
- ◆ No Bias Required

Maximum Input Power = 200mW CW

Operating Temperature Range = -55°C to +125°C

Storage Temperature Range = -65°C to +150°C

Specification @ +25°C, Input Power at -20 dBm

### *DMN Series*

FREQUENCY (GHz)	MODEL NO. <sup>1</sup>	VOLTAGE SENSITIVITY <sup>2</sup> (min. mV/mW)	FLATNESS (max. dB)	VSWR (Typical)	PACKAGE STYLES AVAILABLE <sup>3</sup>
0.01 - 2.0	DMN0120	500	0.20	1.2:1	M1,M2,M3,D
0.01 - 4.0	DMN0140	500	0.30	1.3:1	M1,M2,M3,D
0.01 - 12.4	DMN0112	500	0.30	1.4:1	M1,M2,M3,D
0.01 - 18.5	DMN0118	400	0.50	1.5:1	M1,M2,M3,D
0.01 - 26.5	DMN0126	100	0.50 (to 18 GHz) 1.00 (18 to 26.5 GHz)	1.5:1 (to 18 GHz) 2.0:1 (18 to 26.5 GHz)	M1,M2,M3,D
2.0 - 4.0	DMN2040	500	0.20	1.2:1	M1,M2,M3,D
2.0 - 8.0	DMN2080	500	0.20	1.2:1	M1,M2,M3,D

### *DZN Series*

0.01 - 2.0	DZN0120	1000	0.30	1.5:1	M1,M2,M3,D
0.01 - 4.0	DZN0140	1000	0.30	1.5:1	M1,M2,M3,D
0.01 - 12.4	DZN0112	1000	0.50	1.6:1	M1,M2,M3,D
0.01 - 18.5	DZN0118	1000	0.50	1.6:1	M1,M2,M3,D
2.0 - 4.0	DZN2040	1000	0.50	1.5:1	M1,M2,M3,D
2.0 - 8.0	DZN2080	1000	0.50	1.5:1	M1,M2,M3,D

### *DXN Series*

0.01 - 2.0	DXN0120	1500	1.00	6.0:1	M1,M2,M3,D
0.01 - 4.0	DXN0140	1500	1.00	6.0:1	M1,M2,M3,D
0.01 - 12.4	DXN0112	1500	1.00	6.0:1	M1,M2,M3,D
0.01 - 18.5	DXN0118	1500	2.00	8.0:1	M1,M2,M3,D
2.0 - 4.0	DXN2040	1500	0.80	4.0:1	M1,M2,M3,D
2.0 - 8.0	DXN2080	1500	0.80	4.0:1	M1,M2,M3,D

<sup>1</sup> Negative output polarity is standard. Change the letter "N" to "P" for positive output polarity.

<sup>2</sup> T<sub>ss</sub> is measured with a 2 MHz video bandwidth and 2 dB NF amplifier.

<sup>3</sup> To indicate package style, add it to the end of the model number. See page 7 for package style specifications.  
(i.e. DMP2040M2 - Positive polarity and Package Style "M2")