

# EZM2018QFN4 ZBD Schottky Detector

2.0-18.0 GHz Power Monitor, Network Matched



## Technical Characteristics

### Product Features

No bias required
Neg. (-) Polarity
Broadband Flat Frequency Response
Excellent VSWR
Low Cost QFN 4mm leadless RoHS package

### Max. Ratings

Storage Temperature:	-65° to +125°C
Operating Temperature:	-45° to +95°C
Maximum input power:	+27dBm peak, +20dBm CW

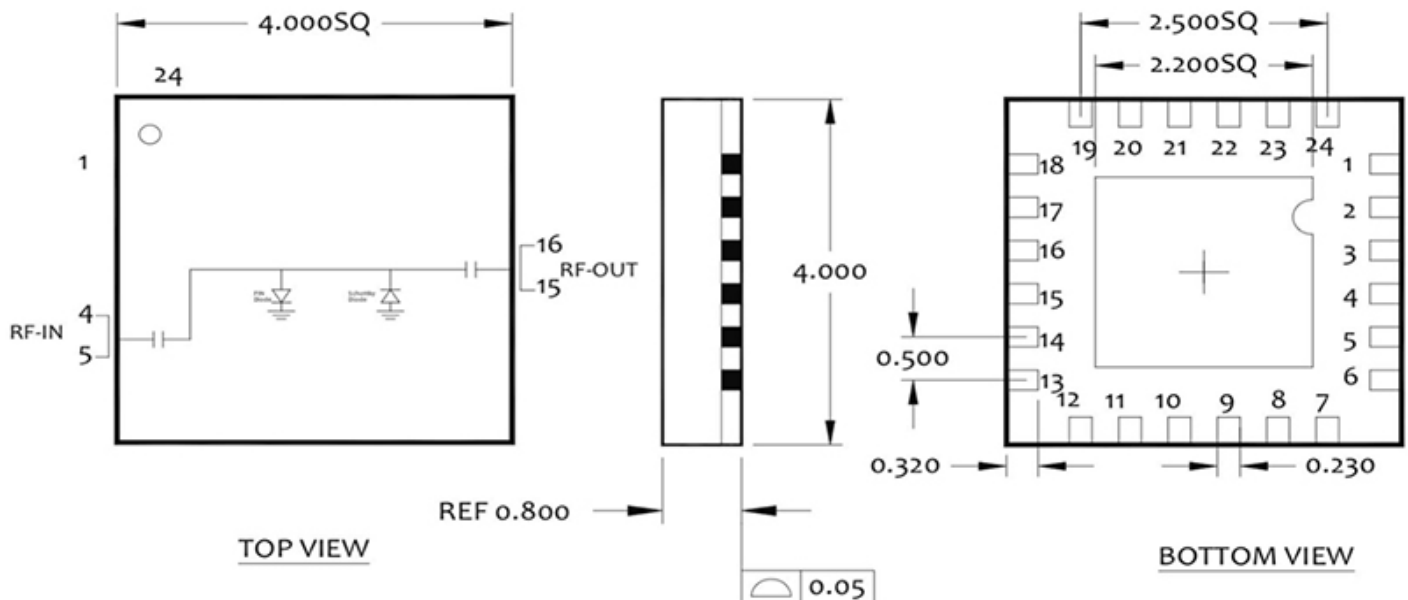
Specification @ +25° & -20 dBm Input Power

## Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Voltage Sensitivity	2.0 to 18.0	300	400		mV/mW open circuit
Voltage Sensitivity Stability over Temperature	2.0 to 18.0	2.5	3.0	3.5	dB
VSWR	2.0 to 16.0		1.5:1	1.8:1	
Flatness	2.0 to 16.0		+/-0.50	+/-0.80	dB
Polarity			Neg. (-)		eV
Video Capacitance		10	20	30	pF
Dynamic Range	2.0 to 18.0	-30.0		20.0	dBm

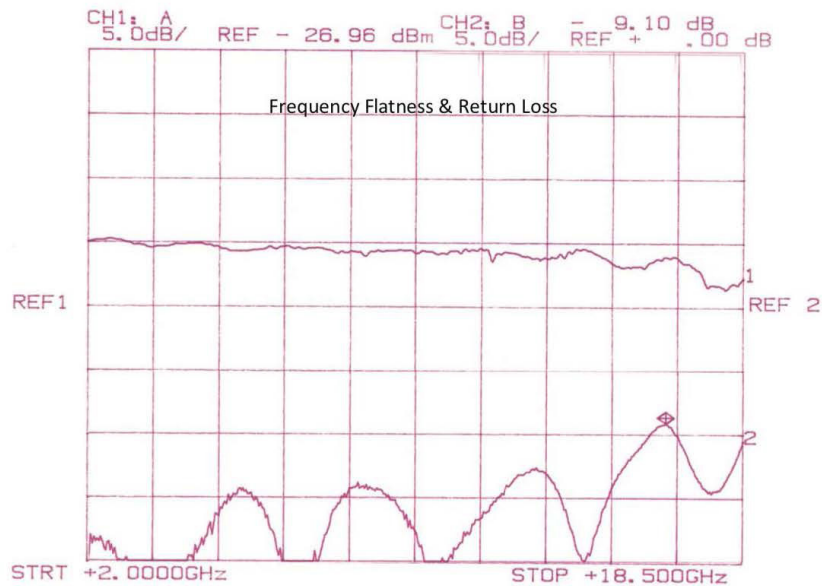
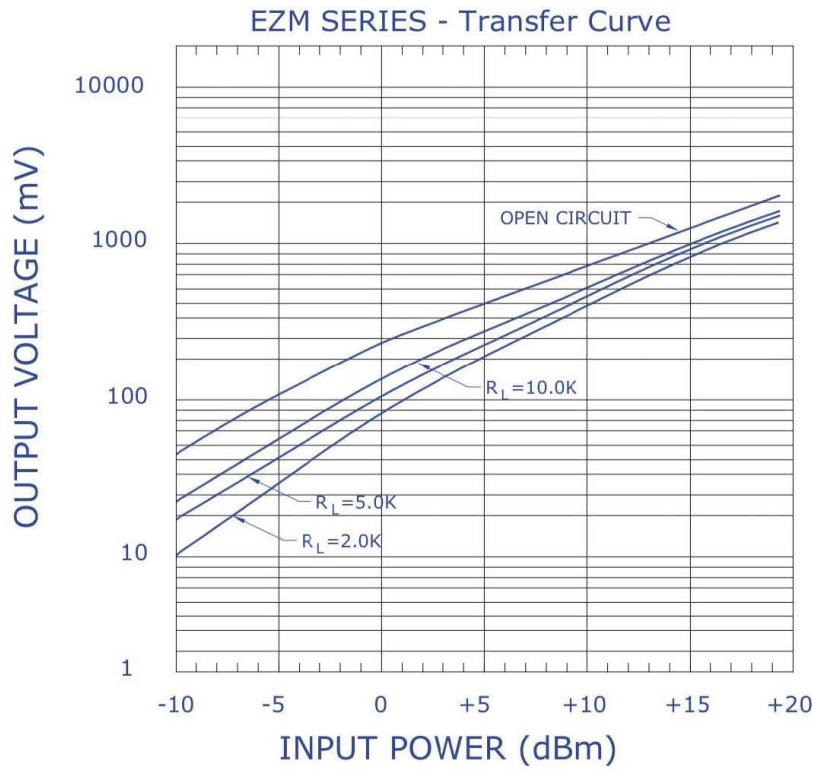
### NOTES:

1. Negative output polarity is standard, Add "P" to the end of the model number for positive polarity, Ex: EZM2018PQFN4.
2. Typical values are measured at +25°C and are not guaranteed.
3. External bypass capacitor is required for operation below 2 GHz.
4. Pins 4&5 - RF Input, Pins 15&16 - RF Output



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## About EclipseMDI

ECLIPSE Microdevices is located in San Jose, California. ECLIPSE has been developing high performance analog semiconductors for use in wireless radio frequency (RF), microwave, and millimeter wave for commercial and industrial applications. ECLIPSE has formed a strategic alliances - with foundries that features leading state-of-the-art process technologies and with manufacturing facilities for high-volume production of innovative RFIC's.

