ZBD Schottky Detector, QFN4

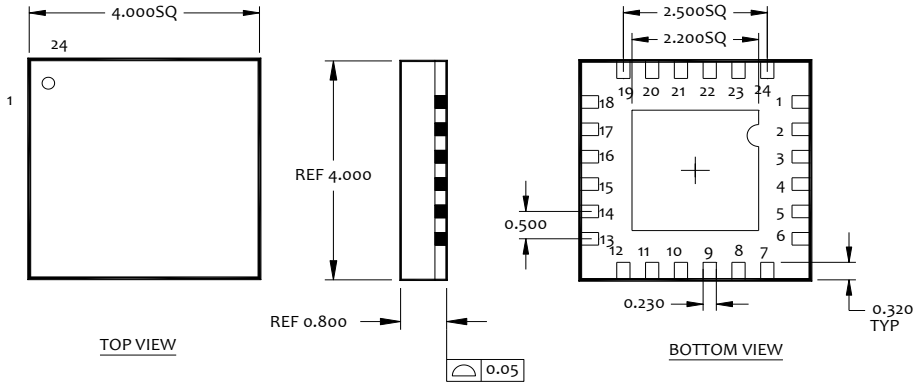
2.0 to 18.0 GHz

MODEL NO: EZR2018QFN4

PRODUCT FEATURE

- †No Bias Required
- †Neg (-) Polarity
- †Broadband Flat Frequency Response
- †ECCN: EAR 99
- †HTS: 8541.10.0000

Max Input Power: +27 dBm Peak
+20 dBm CW
Operating Temperature: -54ºC to+100ºC
Storage Temperature: -65ºC to +100ºC
Specification @ 25ºC & -20 dBm Input Power



Parameters	SPECIFICATION				
	FREQ. (GHz)	MIN (dB)	TYPICAL (dB)	MAX (dB)	Units
Voltage Sensitivity	**2.0-18.0**	800	1000		mV/mW Open Circuit
Voltage Sensitivity Stability over Temperature	**2.0-18.0**	2.5	3.0	3.5	dB
VSWR	**2.0-18.0**		3.5:1		
Flatness	**2.0-18.0**		0.8	1.0	dB
Polarity			Neg(-)		eV
Video Capacitance		10	20		pF
Tss			-42		dBm(Note 1)

NOTES:

1 **Tss is measured with a 2MHz bandwidth and 3 NF video amplifier**

2.Pins 4&5 – RF Input, Pins 15&16 – RF Output. All other Pins leave open or ground.

3. Typical values are measured at +25ºC and are not guaranteed

4. An external bypass (100pf) capacitor is required for operation to minimize RF feedthru

5. Negative output polarity is standard, Add "P" to the end of the model number for Positive, Ex: EZR0120PQFN4

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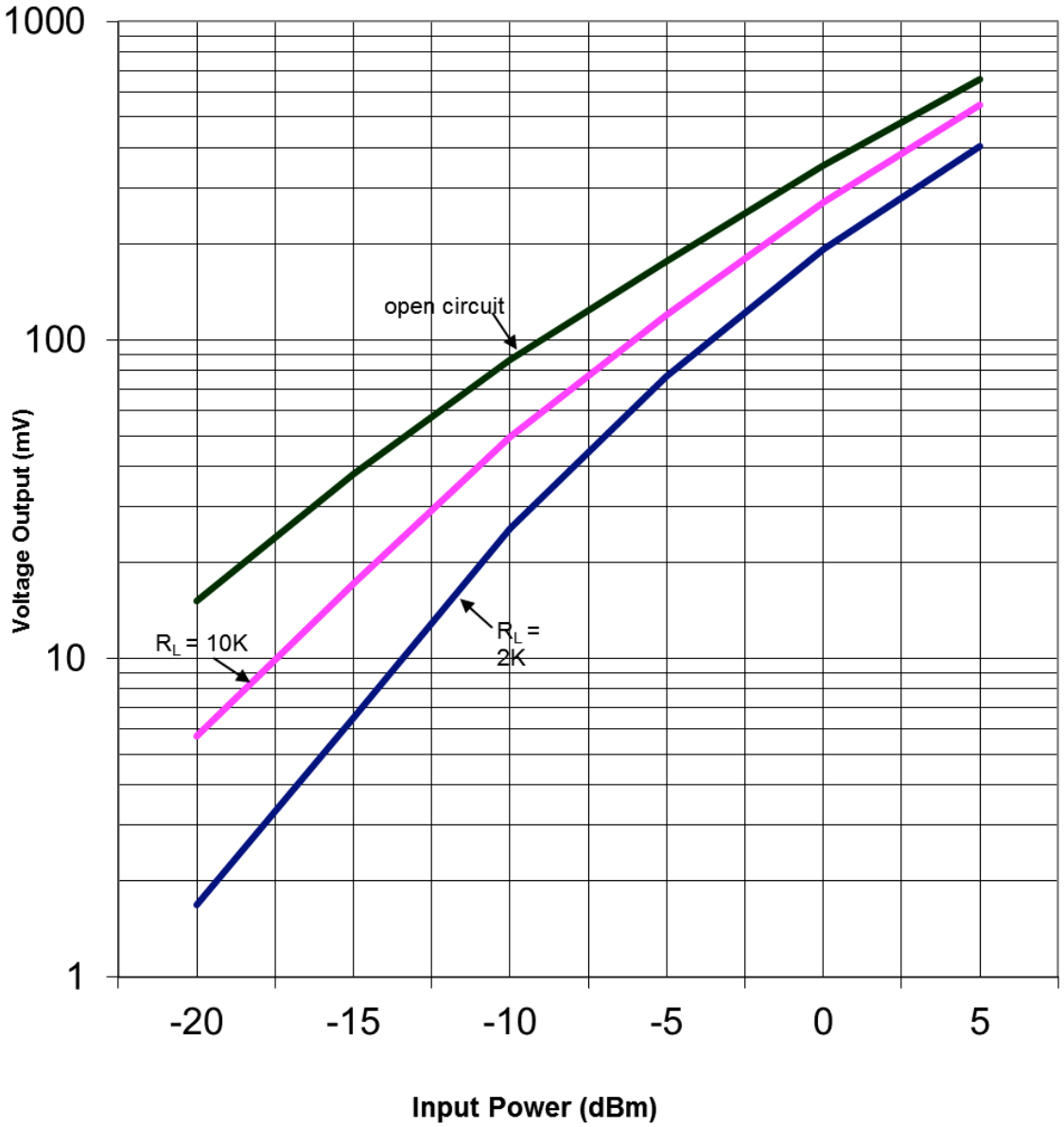
EZR series
Transfer Curve



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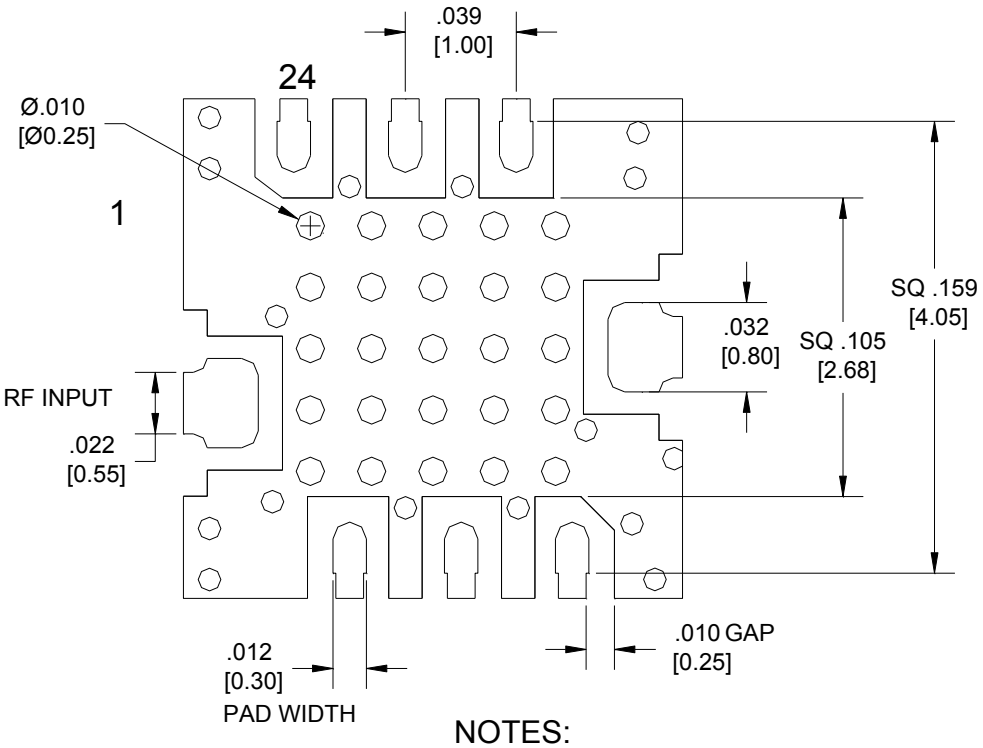
RECOMMENDED PCB LAYOUT



NOTES:
1. MATERIAL: ROGERS 4350, 10 MIL THICK
2, DIMENSIONS ARE IN INCHES[MM]

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