



Zero Bias Schottky Diode Detectors 0.5GHz~8GHz



- State-of-the-art broadband detector technology
- Schottky diode front end with on-chip linearization
- Broadband 50 Ω input impedance
- Accurate response from 0.5 GHz to 8 GHz
- Input range of -45 dBm to +15 dBm re 50 Ω
- Unity gain scaled linear in V/V output
- Fast incremental envelope response: >20 MHz
- Reflection distortion elimination
- Low power consumption:

No.	Parameter	Specifications
1	Frequency	0.5~8GHz
2	VSWR	$\leq 1.2:1$
3	Tss	-45dBm
4	Sensitivity	500mv/mw
5	Power(W)	0.1
6	Output Polarity	Positive(+)
7	Input Connector	SMA male
8	Output Connector	SMA female
9	Operating Temperature	0~60°C

Mechanical Specifications	
Connector	SMA(M,F)
Size	SEE DRAWING
Weight	10g
External Finish	Gold/Nickel plated laser sealed.

Environment specifications	
Operation Temperature (C°)	-20 ~ +55
Storage Temperature (C°)	-55 ~ +125
Altitude	42,000 ft (Controlled environment)
Vibration	10g rms (15 degree 2KHz)
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave, 3 axis both directions

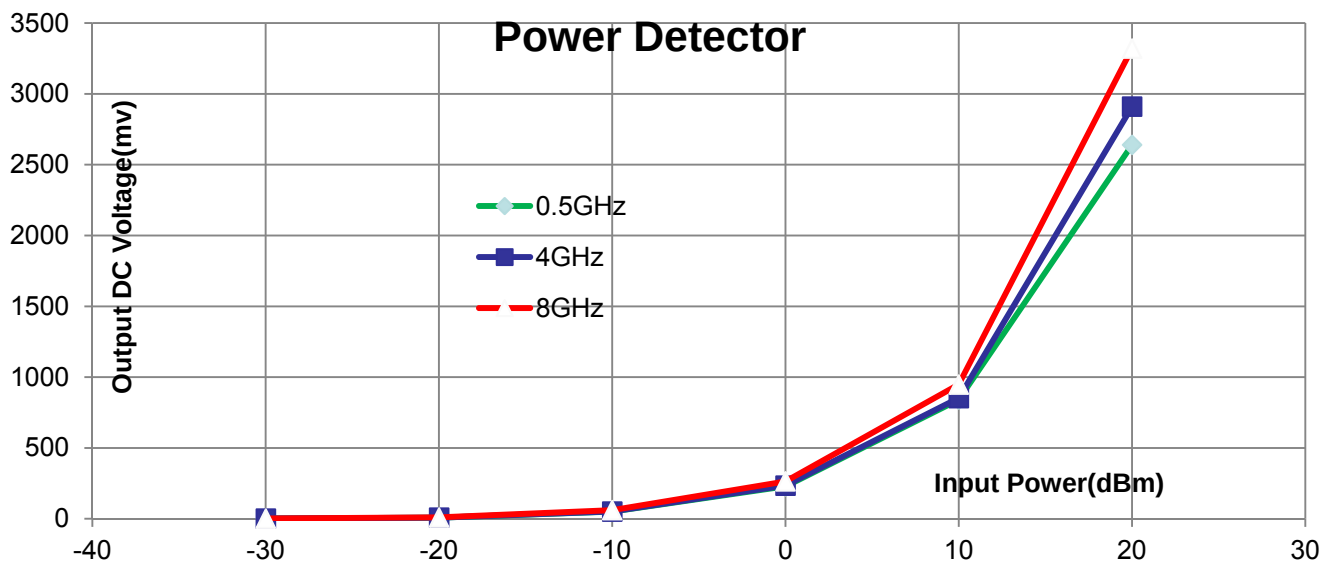
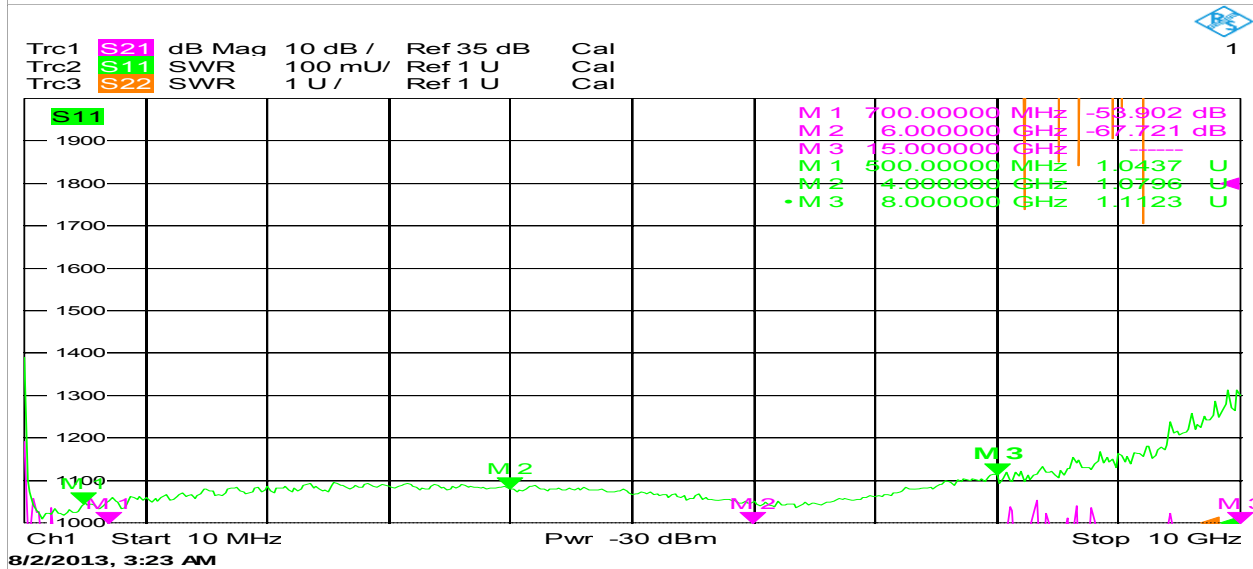
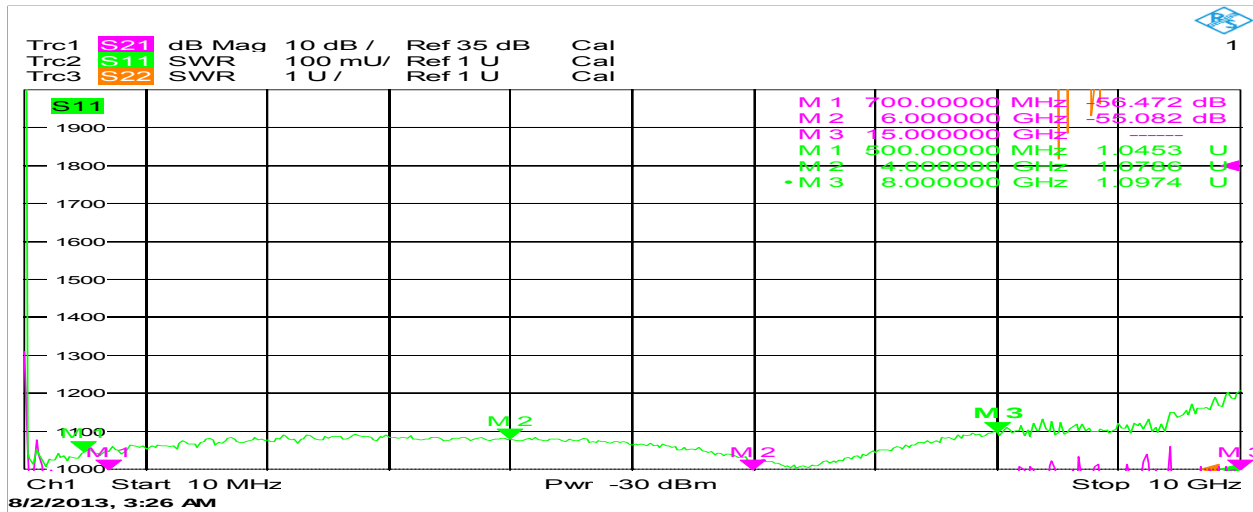


RF-LAMBDA

The power beyond expectations

RPDT0008GA

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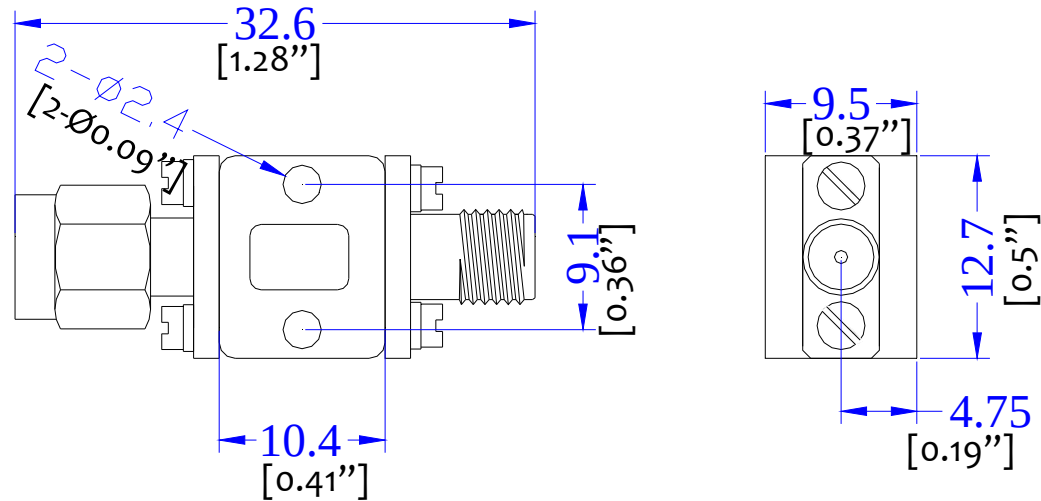




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