



## Ultra Wide Band Power Detector 0.01 - 40GHz



### Features

- Ultra Wide Band 0.01-40GHz
- High Sensitivity
- Low VSWR
- Passive
- Customization Available upon Request

### Electrical Specifications, $T_A=25^\circ\text{C}$

Parameters	Min.	Typ.	Max.	Units
Frequency Range	0.01		40	GHz
VSWR		1.8	2.0	: 1
Tss	-25			dBm
Sensitivity	0.35	0.50		mv / uw
Input Power			+20	dBm
Weight	0.35			ounces
Input / Output Connectors	2.4mm-Male / SMA-Female			
Material	Brass			
Finishing	Nickel Plating			

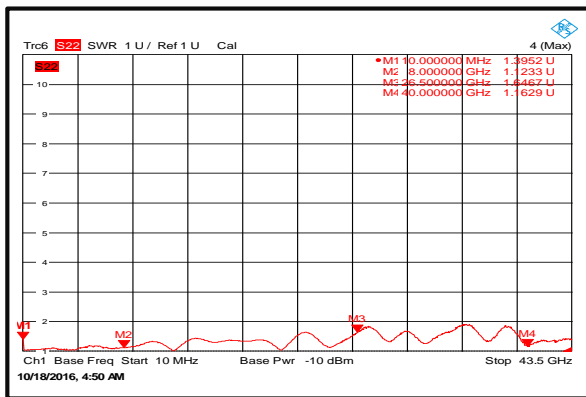
### Environmental Specifications

Operational Temperature ( $^\circ\text{C}$ )	-40 to +85
Storage Temperature ( $^\circ\text{C}$ )	-50 to +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35 $^\circ\text{C}$ , 95%RH at 40 $^\circ\text{C}$
Shock	20G for 11msec half sine wave, 3 axis both directions

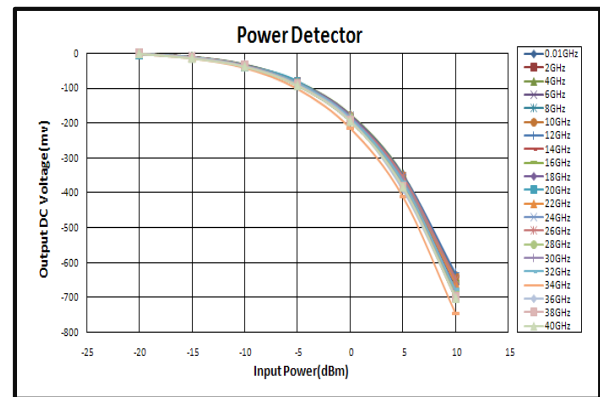


**Typical Performance Plots**

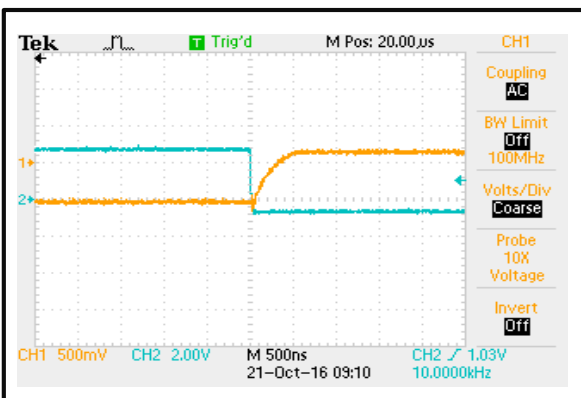
**Output VSWR**



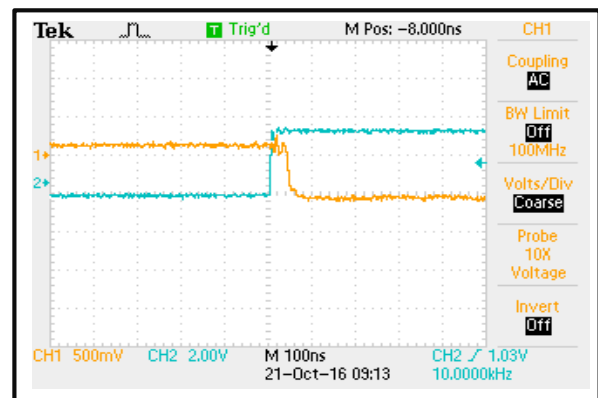
**Output DC Voltage vs. Input Power**



**Rise time**

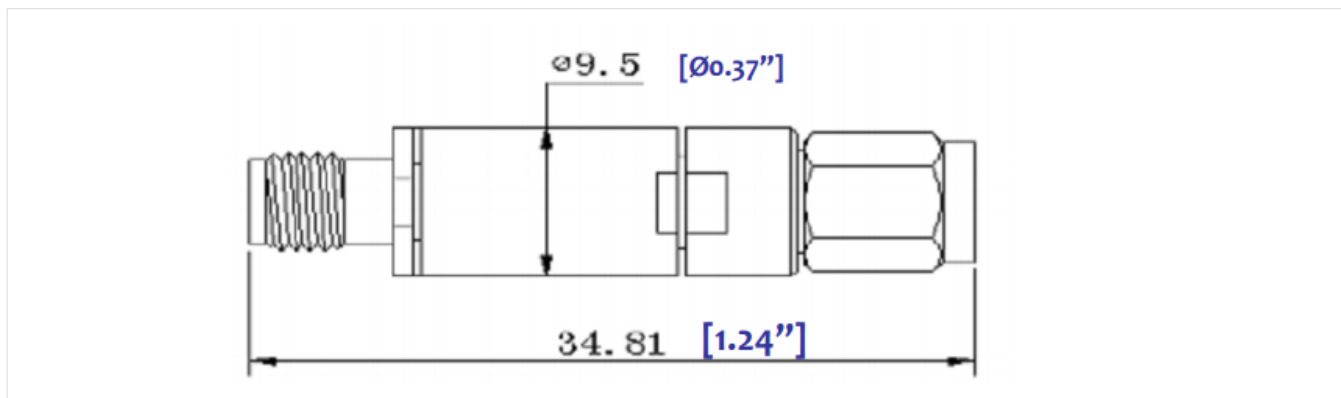


**Fall time**



**Outline Drawing:**

All Dimensions in mm [inches]  
Tolerance  $\pm 0.15$  [0.006]



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