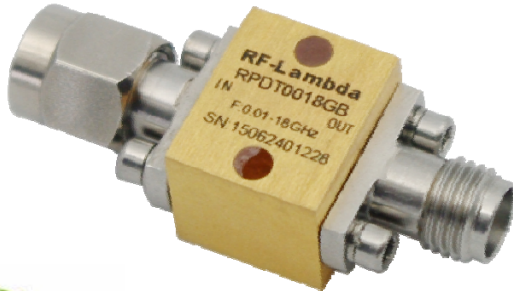




0.01- 18 GHz Power Detector



Features

- Ultra Wide Band
- High Sensitivity
- Low VSWR
- No Bias
- Customization Available upon Request



Electrical Specifications

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	0.01-13		13-18				GHz
VSWR		1.45	1.5		1.6	1.8	
Tss	-45			-45			dB m
Sensitivity	0.5			0.5			mv/uw
Input Power			23			23	dB m
Output Polarity	Positive(+)						
Weight	0.65						ounces
Operating Temperature	-20 to +55						°C
Input /Output Connector	SMA-Male/SMA-Female						
Material	Aluminum						
Finishing	Gold Plating						

Environment specifications

Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave,3 axis both directions

0.01-18GHz Power Detector



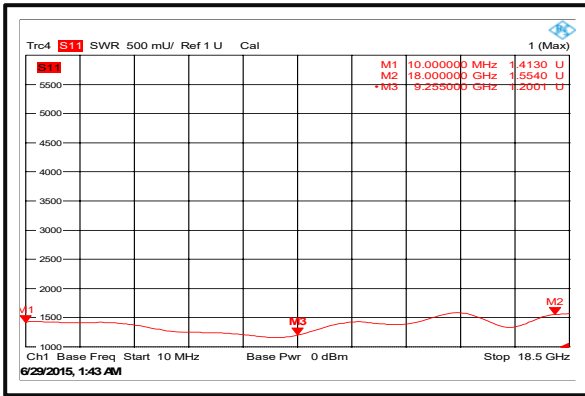
RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

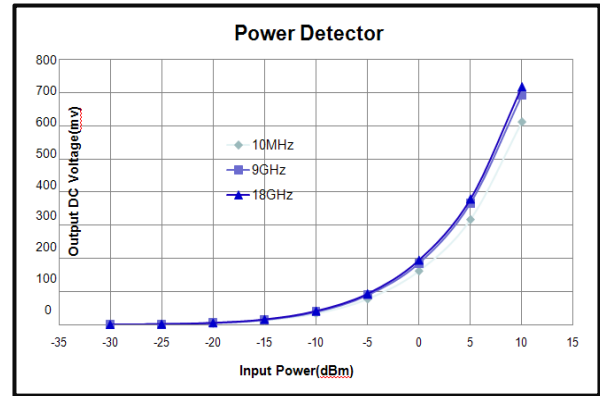
RPDT0018GB

Typical Performance Plots

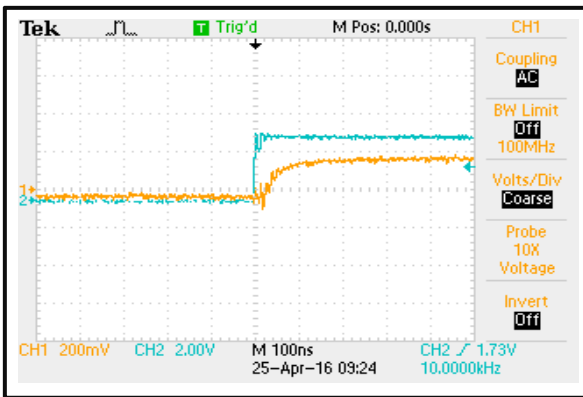
Input VSWR



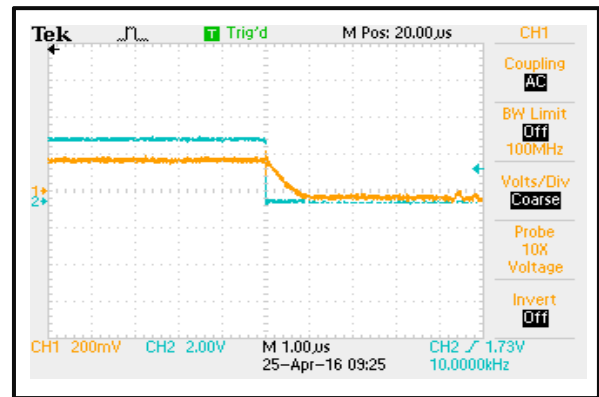
Output DC Voltage VS. Input Power



Rise time

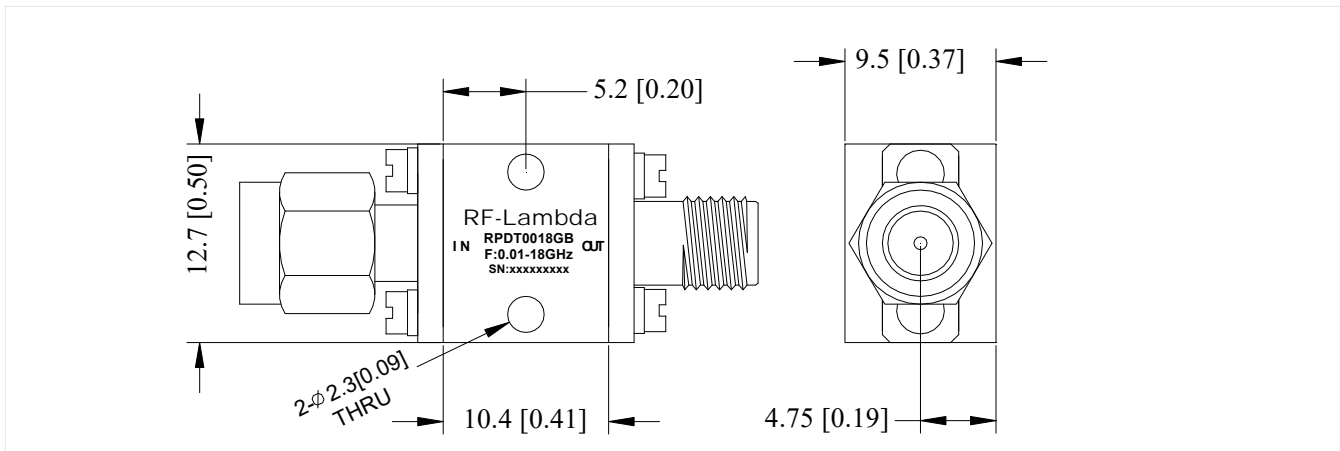


Fall time



Outline Drawing:

All Dimensions in mm (inches) Tolerance ± 0.15 (0.006)



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