

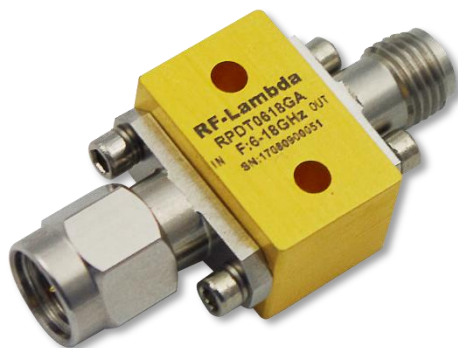


RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RPDT0618GA

Wide Band Power Detector 6 - 18GHz



Features

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

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

Parameters	Min.	Typ.	Max.	Units
Frequency Range	6		18	GHz
VSWR		1.4	1.5	: 1
Tss	-45			dB m
Sensitivity	0.5			mv/uw
Input Power			23	dBm
Output Polarity	Positive(+)			
Weight	0.35			ounces
Input / Output Connectors	SMA-Male / SMA-Female			
Material	Aluminum			
Finish	Gold Plated			

Environmental Specifications

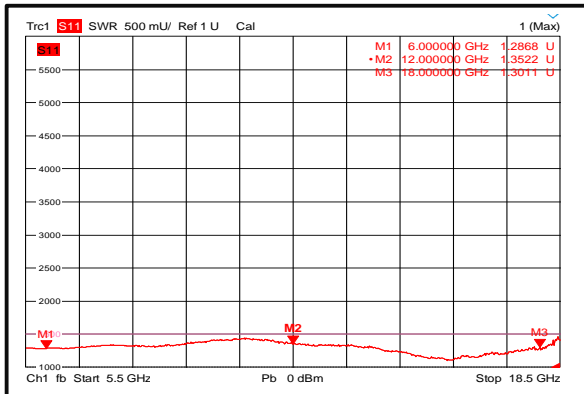
Operational Temperature ($^\circ\text{C}$)	-45 to +85
Storage Temperature ($^\circ\text{C}$)	-55 to +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msec half sine wave, 3 axis both directions

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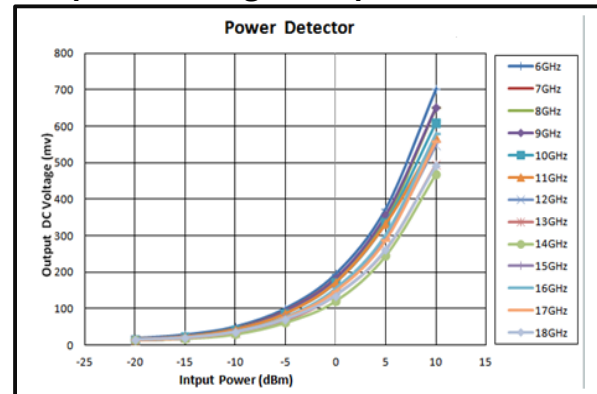


Typical Performance Plots

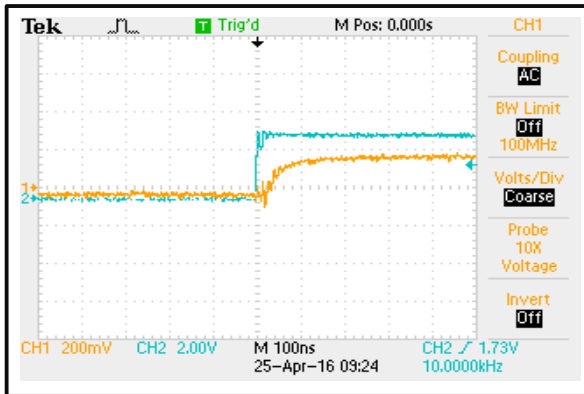
Input VSWR



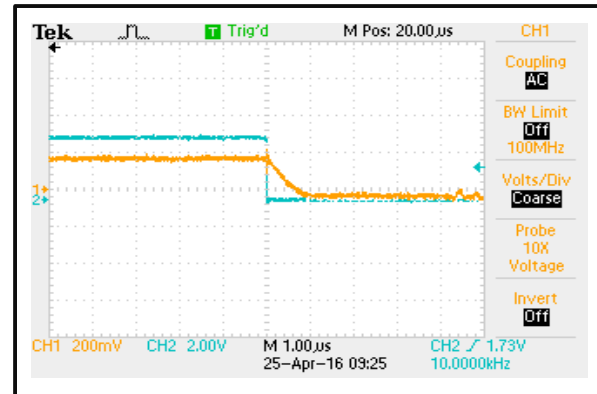
Output DC Voltage vs. Input Power



Rise Time

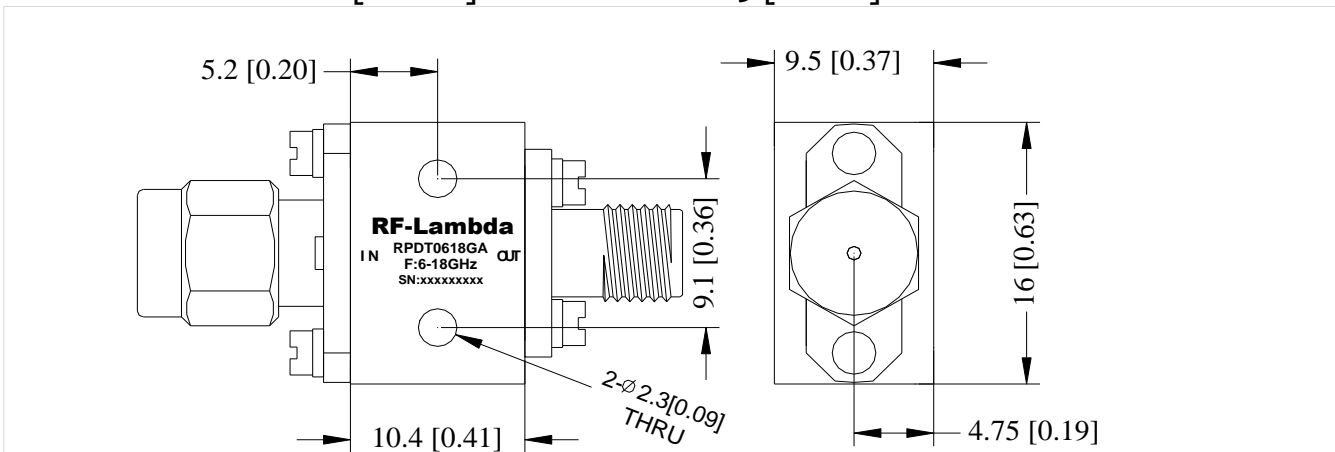


Fall Time



Outline Drawing:

All Dimensions in mm [inches] Tolerance ± 0.15 [0.006]



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