



# RF-LAMBDA

The power beyond expectations

RPDT0040GB

## Wide Band Power Detector 10MHz-40GHz



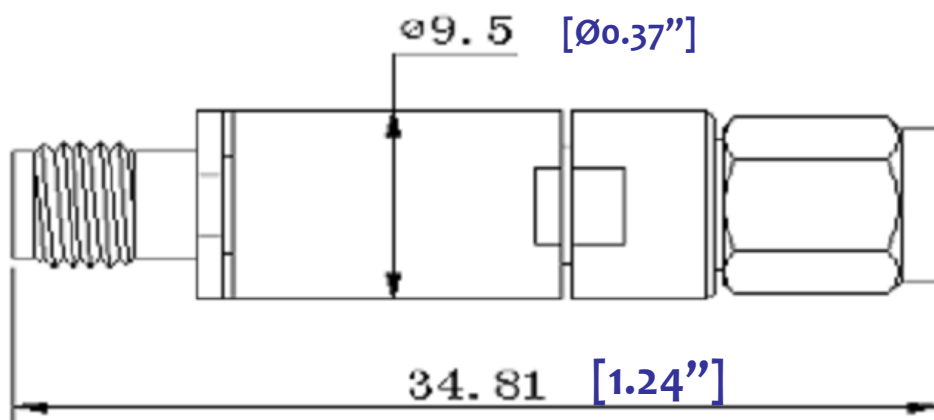
- Wide Band Operation 10MHz-40GHz
- High speed power response.
- High sensitive output level.
- Fast Switching Speed
- Low Insertion Loss good accuracy
- Temperature Range -55°C~+85°C
- Customization available upon request

2.0	Environment specifications	
2.1	Operation Temp.	-40°C~+85°C
2.2	Storage Temp.	-50°C~+125°C
2.3	Altitude	45000 ft
2.4	Vibration	10g rms (15 degree 2KHz)
2.5	Humidity	100% RH at 35c, 95%RH at 40 deg c
2.6	Shock	20G for 11msc

3.0	Electrical Specifications	
3.1	Frequency	0.01-40GHz
3.2	Max. VSWR	2.0:1 max.
3.3	Input Power	+20dBm
3.4	Frequency Response Flatness	+/-1.2dB Typ. +/-1.75dB Max.
3.5	Low Level Sensitivity	0.35 min. 0.50 Typ.



1.0	Mechanical Specifications	
1.1	Basis-material	Brass
1.2	Connector	SMA-Female 2.4mm-Male
1.3	External Body Finish	Nickel plating



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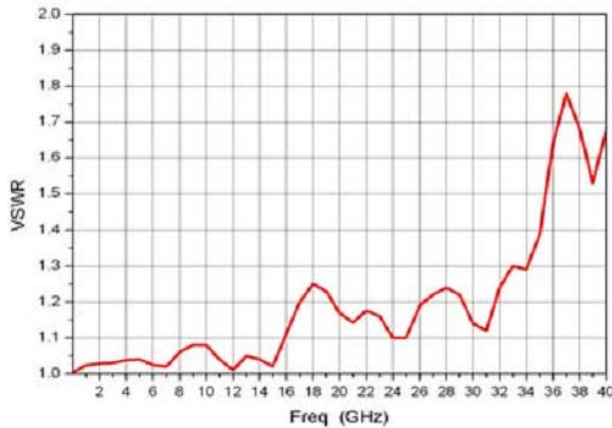


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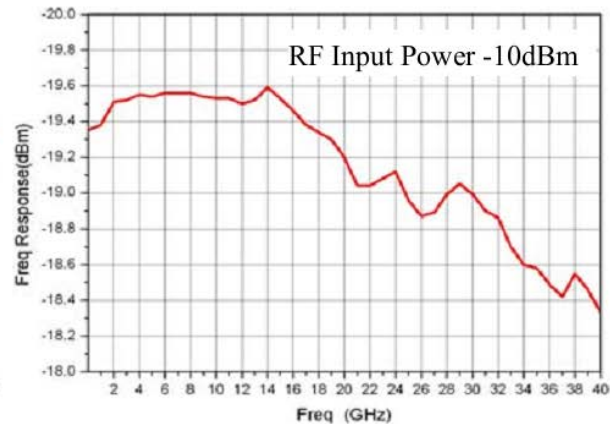
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RPDT0004GB

**Typical performance:** (Condition:  $T_a = 25^\circ\text{C}$ )

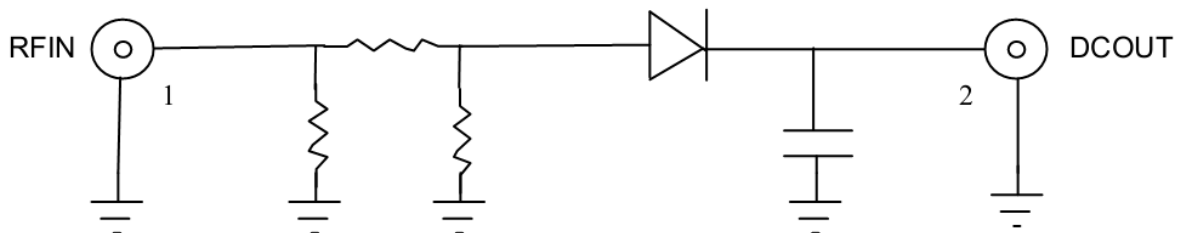


VSWR VS. Frequency (GHz)



Frequency Response (dBm) VS. Frequency (GHz)

**Functional Diagram:**



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