



Wide Band WAVEGUIDE Power Detector 50GHz-75GHz



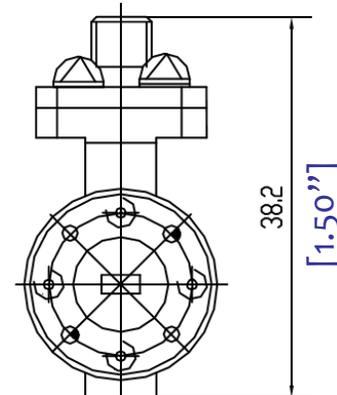
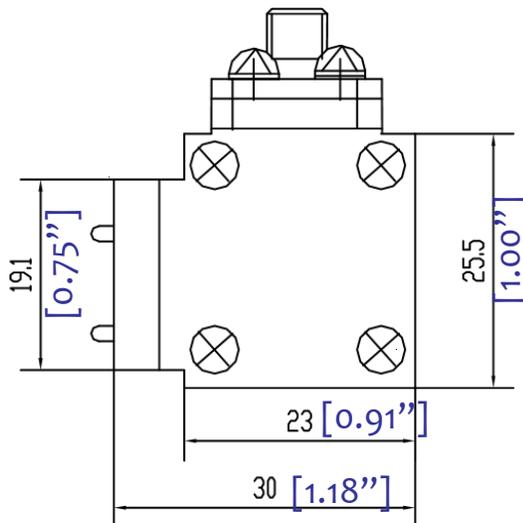
- Wide Band Operation 50GHz-75GHz
- High speed power response.
- High sensitive output level.
- Fast Switching Speed
- Low Insertion Loss good accuracy
- Temperature Range -55°C~+85°C
- Customization available upon request

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	50-75GHz
3.2	Input Power	+20dBm
3.3	Frequency Response Flatness	+/-1.6dB Typ. +/-2.0dB Max.
3.4	Low Level Sensitivity	0.20 min (mV/uW) 0.40 Typ. (mV/uW)



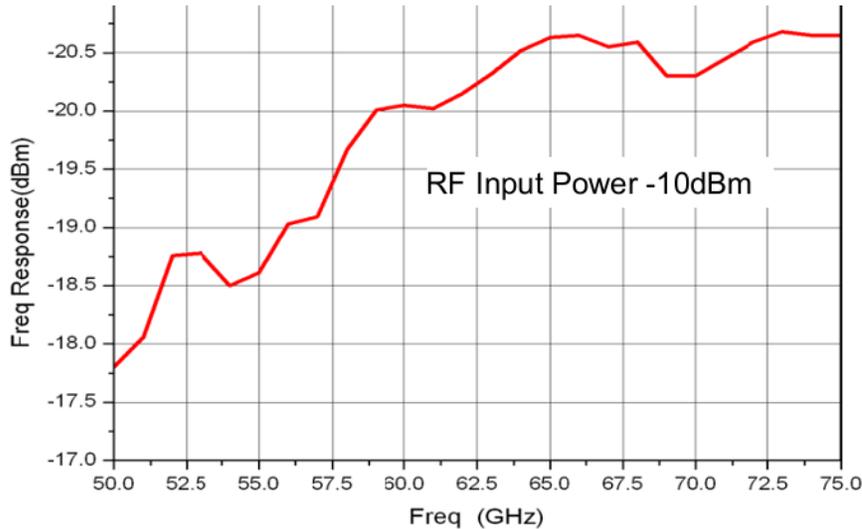
1.0	Mechanical Specifications	
1.1	Basis-material	Brass
1.2	Connector	SMA-Female
1.3	External Body Finish	Nickel plating



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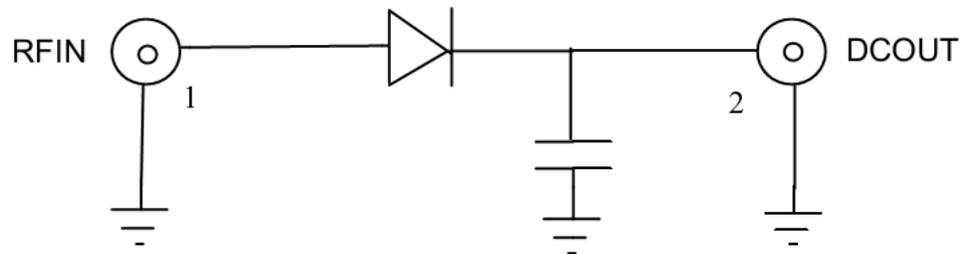


Typical performance: (Condition: $T_a = 25^\circ\text{C}$)



Frequency Response (dBm) VS. Frequency (GHz)

Functional Diagram :



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