



Wide Band Directional Coupler



Features

- wide band: 8-40GHz
- High Directional
- Low Insertion Loss
- Rush Delivery
- Customization available upon request

Electrical Specifications, $T_A = +25^\circ C$, 50 Ohm System,

Parameter	Frequency Range (GHz)	Min.	Typ.	Max.	Units
Insertion Loss(Excl Coupling)	8-20		0.9	1.0	dB
	20-40		1.2	1.4	dB
	40-43.5		1.6	1.8	dB
Nominal Coupling	8-20			15±1.0	dB
	20-40			15±1.0	dB
	40-43.5			15±1.0	dB
Coupling Flatness	8-20		±0.5	±0.7	dB
	20-40		±0.5	±0.7	dB
	40-43.5		±0.3	±0.5	dB
Directivity	8-20	12	14		dB
	20-40	10	12		dB
	40-43.5	8	12		dB
VSWR Primary	8-20		1.5	1.6	
	20-40		1.5	1.6	
	40-43.5		1.5	1.8	
VSWR Secondary	8-20		1.4	1.6	
	20-40		1.4	1.6	
	40-43.5		1.5	1.8	
Power Handling				30	Watts
Operating Temperature		-55		+85	°C
Impedance		50			Ohms
Input / Output Connector		2.92-Female			
Finishing		Gray Paint			
Material		Aluminum			

15dB Wide Band Directional Coupler 8-40GHz



RF-LAMBDA

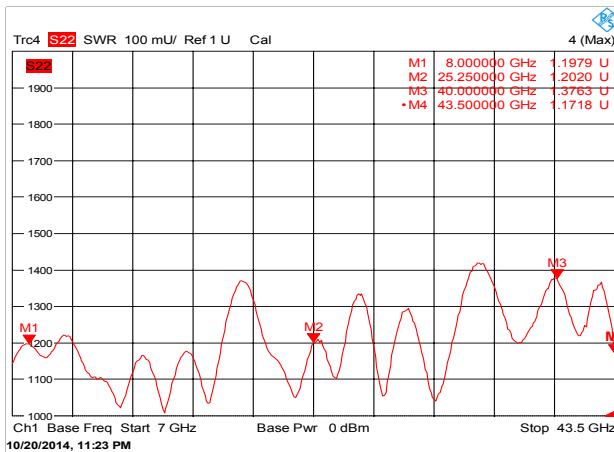
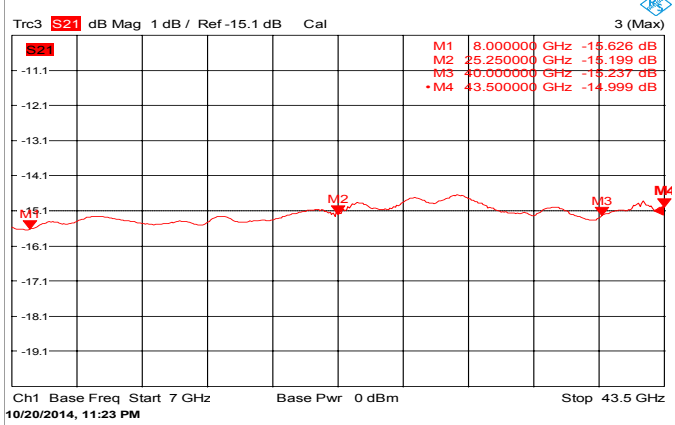
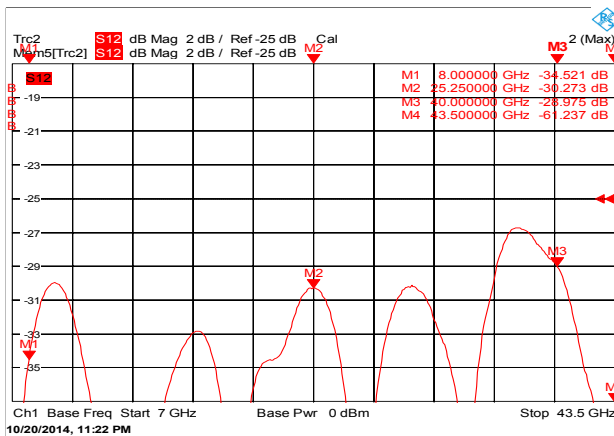
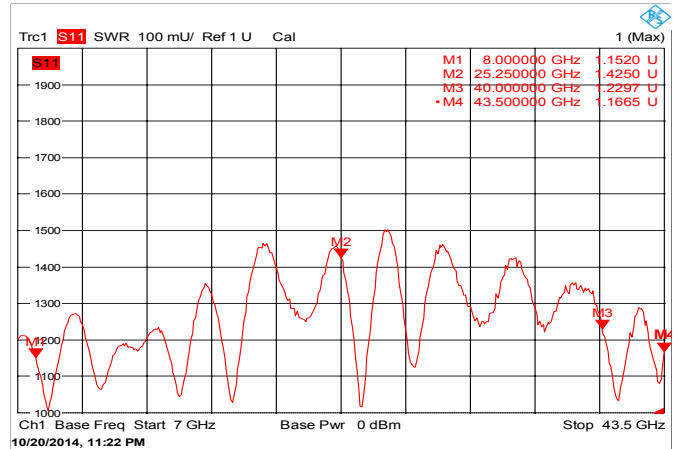
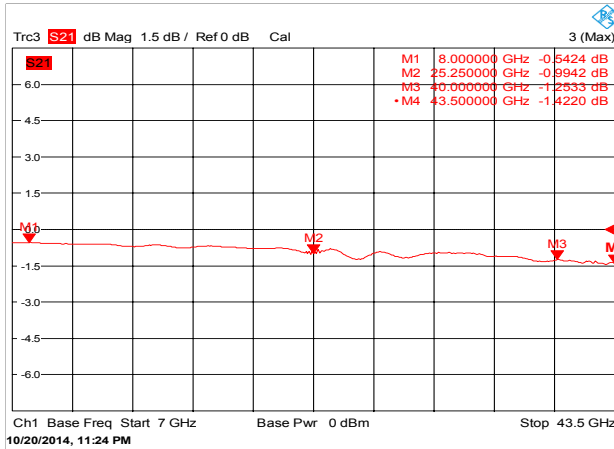
The power beyond expectations

RFDC8G40G15

15dB Wide Band Directional Coupler 8-40GHz

Environment specifications

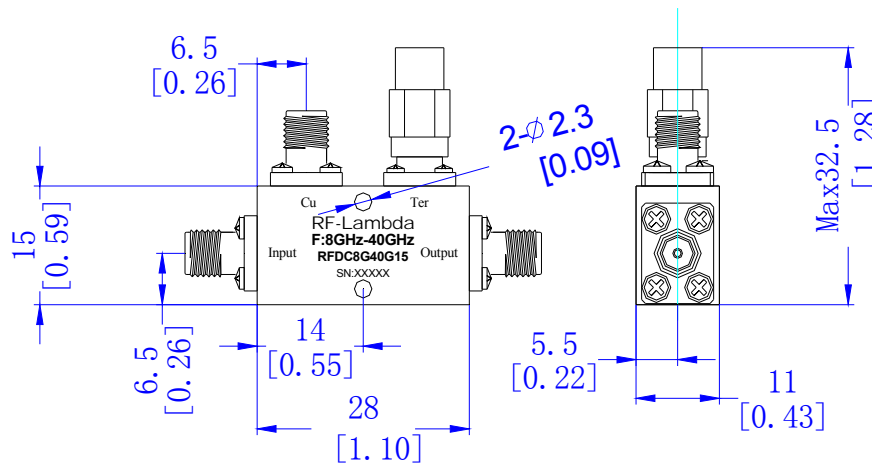
Operational Temperature (C°)	-45 ~ +85
Storage Temperature (C°)	-50 ~ +125
Altitude	30,000 ft (Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave, 3 axis both directions





Outline Drawing:

All Dimensions in mm (inches)



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