



Directional Coupler



Features

- Ultra wide band: 0.5-18GHz
- High Directional
- Low Insertion Loss
- Rush Delivery
- Customization available upon request

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

Parameter	Frequency Range (GHz)	Min.	Typ.	Max.	Units
Insertion Loss(Excl Coupling)	0.5-9.45			0.8	dB
	9.45-18			1.2	dB
Nominal Coupling	0.5-9.45			30±1.0	dB
	9.45-18			30±1.0	dB
Coupling Flatness	0.5-9.45			±1.0	dB
	9.45-18			±1.0	dB
Directivity	0.5-9.45	12			dB
	9.45-18	10			dB
VSWR Primary	0.5-9.45			1.5	M v
	9.45-18			1.6	M v
VSWR Secondary	0.5-9.45			1.5	M v
	9.45-18			1.6	M v
Power Handling	0.5-18			30	Watts
Operating Temperature	0.5-18	-55		+85	°C
Impedance	50				Ohms
Input / Output Connector	N-Female				
Finishing	Gray Paint				
Material	Aluminum				



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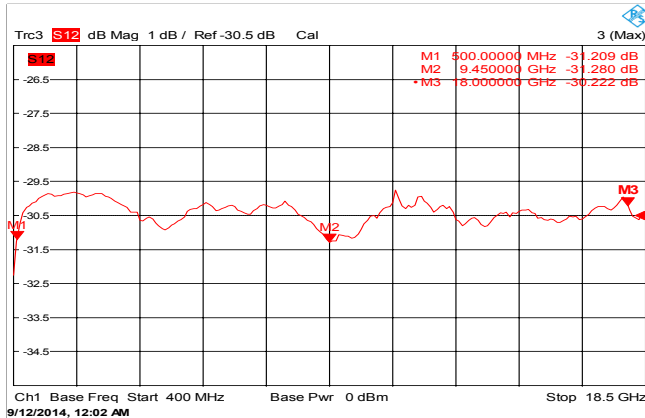
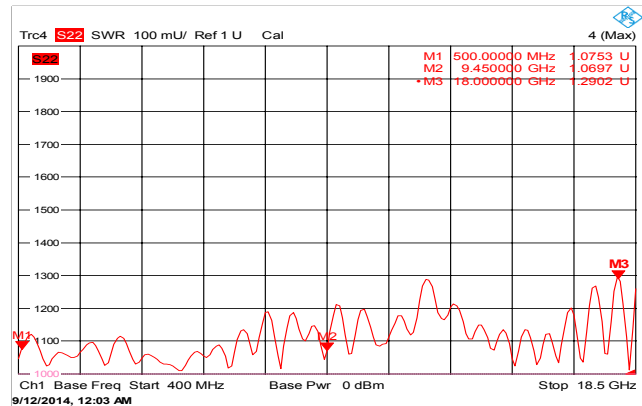
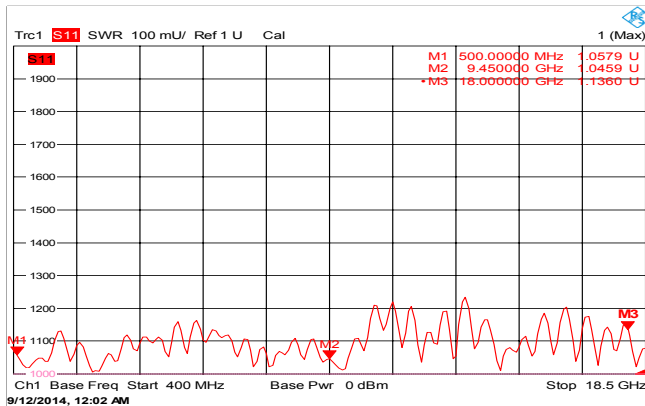
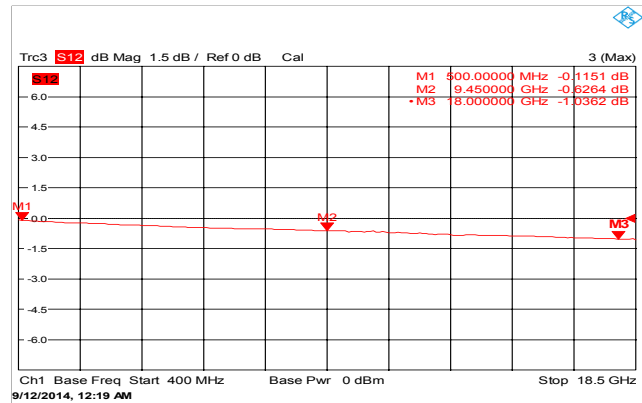
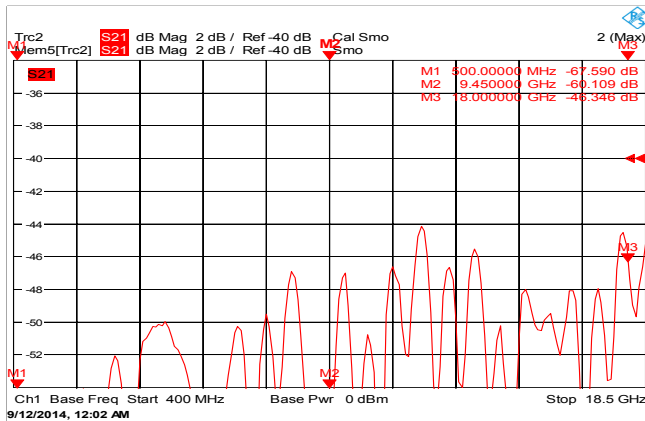
The power beyond expectations

RFDC5M18G30N

0.5-18GHz 30dB Directional Coupler

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





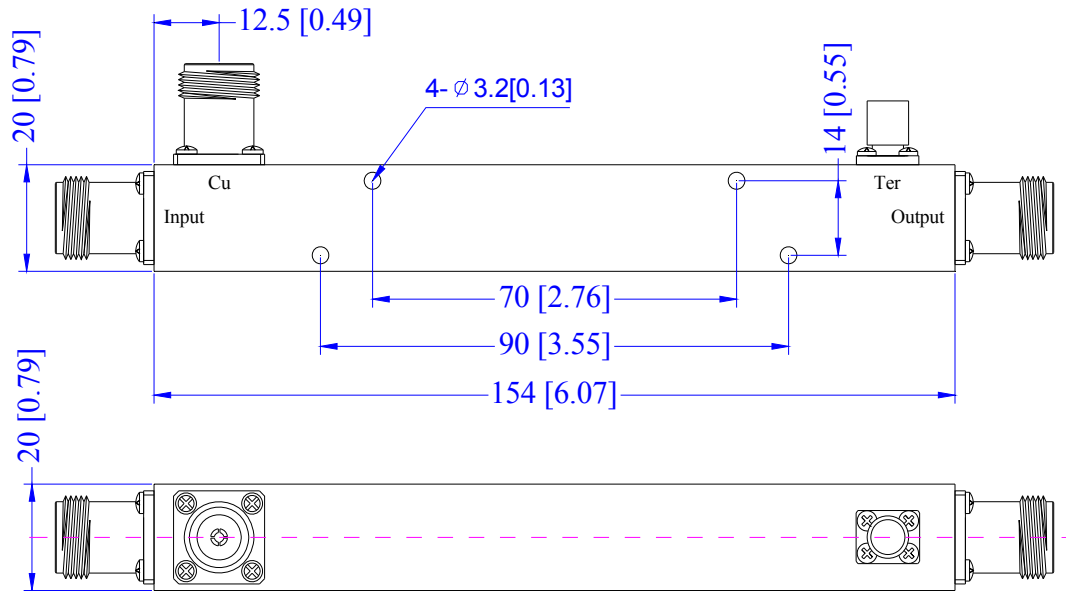
RF-LAMBDA

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Outline Drawing:

All Dimensions in mm (inches)



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