



ULTRA WIDE BAND 500W HIGH POWER DIRECTIONAL COUPLER 2.0GHz-4.0GHz



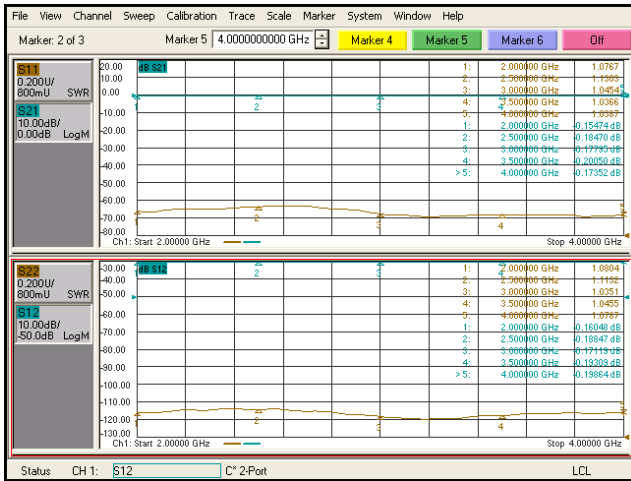
- Ultra wide band performance 2.0-4.0GHz
- High power operation up to 500W CW, 5KW peak power
- Compact size and low loss.
- Low passive inter-modulation product.
- Customized unit available.
- Applicable for base station, repeaters of CMDA, WiMax and UMTS cellular network

ULTRA WIDE BAND 500W DIRECTIONAL COUPLER 2.0GHz-4.0GHz

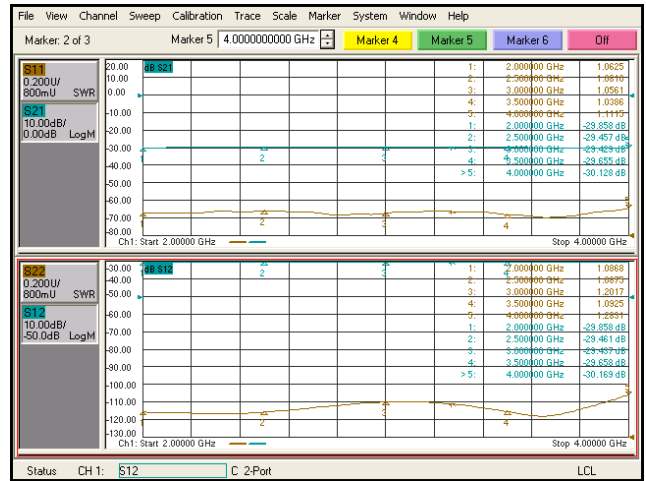
Electrical Specifications			
Frequency Range:	2000-4000MHz	Power	500W CW / 5KW Peak
Coupling	1-9dB, 10dB, 20dB, 30dB	Insertion Loss	0.3dB typ. 0.5dB max.
Directivity	18dB	Freq. Sensitivity	±0.7dB
VSWR	1.20:1		
Environmental Specifications			
Operational Temp.	-40°C to 85°C base plate	Storage Temp.	-55°C to 120°C base plate
Altitude	45,000 ft		
Mechanical Specifications			
Humidity	95% relative humidity, 65°C 96Hour	Mechanical shock	30G, 11mSec half sin wave, 3 axis both directions
Vibration:	14.2g RMS (15-2000Hz) functional	Connectors:	N-Female Brass, Nickel Plate
	16.2g RMS (15-2000Hz) endurance, 1 hour/axis		Beryllium Copper, Gold Plate PIN



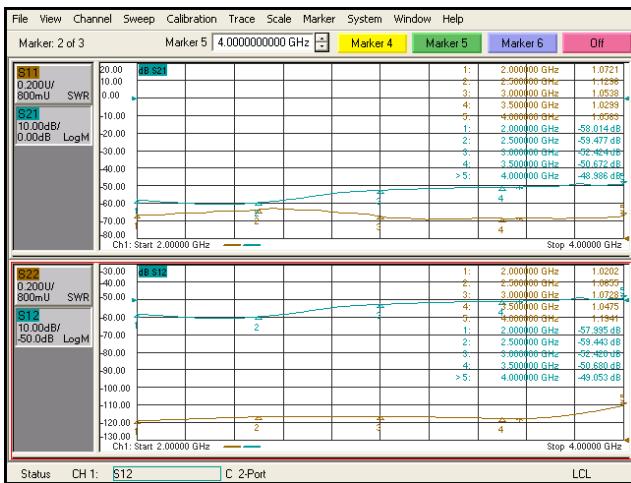
Insertion Loss and VSWR vs. Frequency



Coupling (30dB) and VSWR vs. Frequency



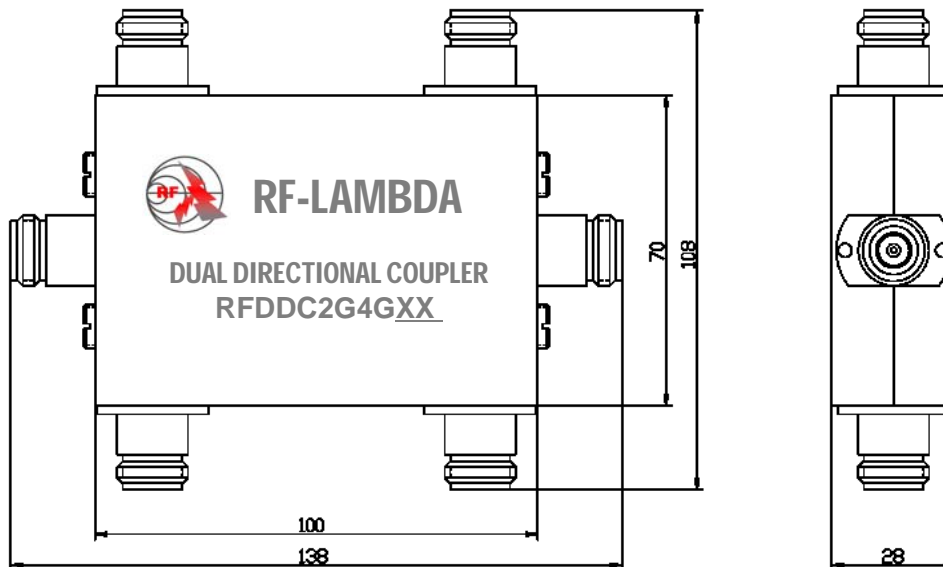
Isolation and VSWR vs. Frequency



Part Number: **RFDDC2G4GXX**

Coupling ratio ---XX
Sample: RFDDC2G4G30 (30dB)

DRAWING:



ULTRA WIDE BAND 500W DIRECTIONAL COUPLER 2.0GHZ-4.0GHZ