

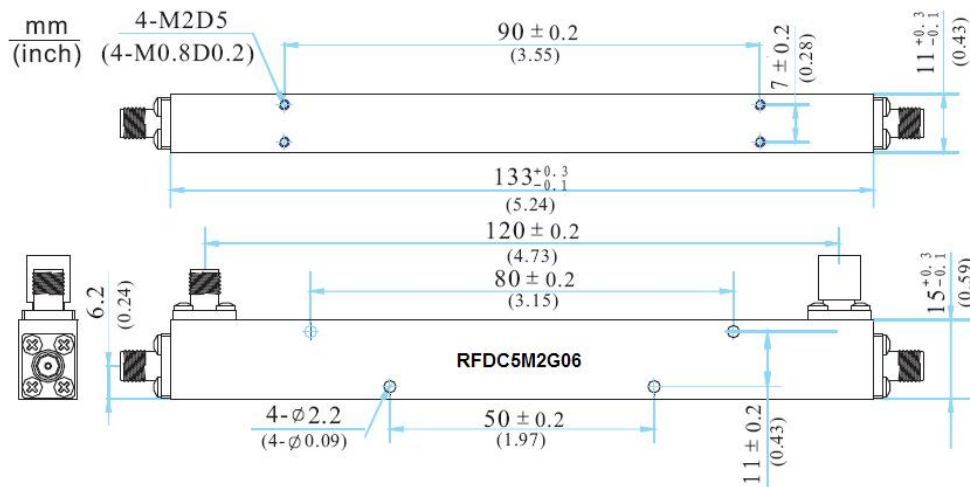


ULTRA WIDE BAND 50W DIRECTIONAL COUPLER 0.5GHZ-2.5GHZ



- Ultra wide band performance 0.5G-2.5GHz
- power operation up to 50W CW
- Compact size and low loss.
- Low passive inter-modulation product.
- Customized unit available.
- Applicable for base station, repeaters of CMDA cellular network

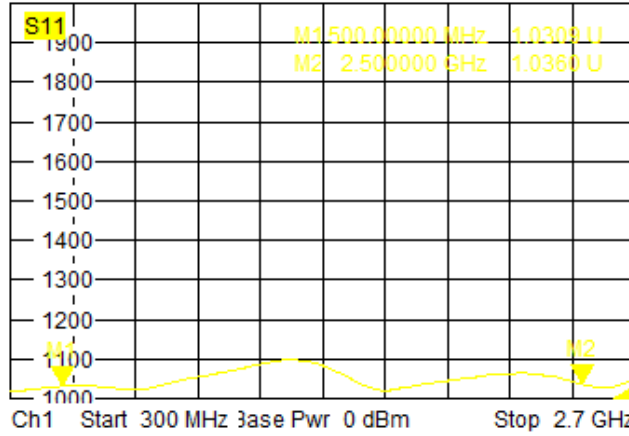
Electrical Specifications			
Frequency	0.5G-2.5GHz	Power	50W CW
Amplitude Balance	± 0.7 dB	Insertion Loss / VSWR	0.5dB 1.2 : 1
Directivity	20dB	Coupling	6 ± 1.0 dB
Environmental Specifications			
Oper.Temp.	-55°C to 85°C base plate	Storage Temp.	-55°C to 100°C base plate
Altitude	45,000 ft		
Mechanical 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:	SMA-Female Brass, Nickel Plate
	16.2g RMS (15-2000Hz) endurance, 1 hour/axis		Beryllium Copper, Gold Plate PIN



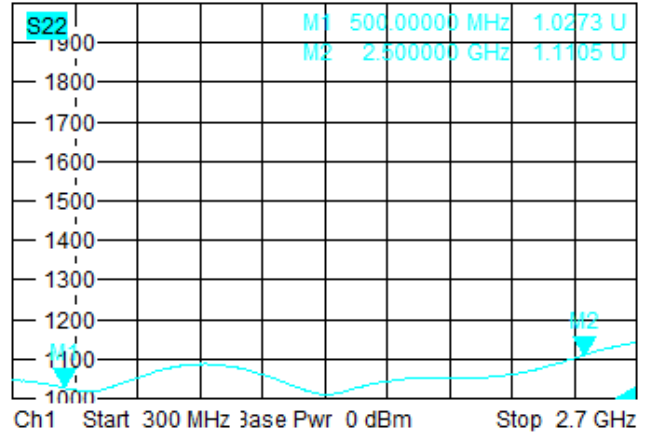
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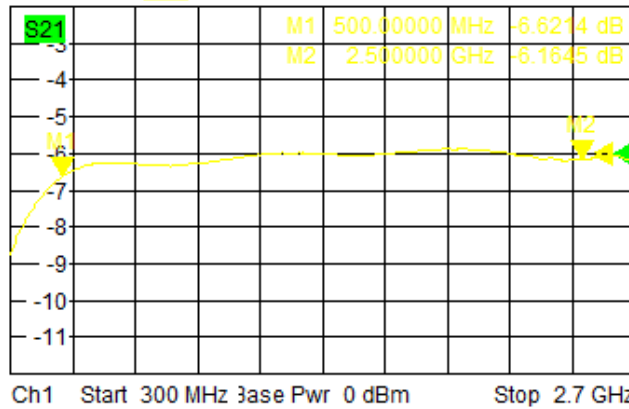
Trc1 **S11** SWR 100 mU/ Ref 1 U Cal



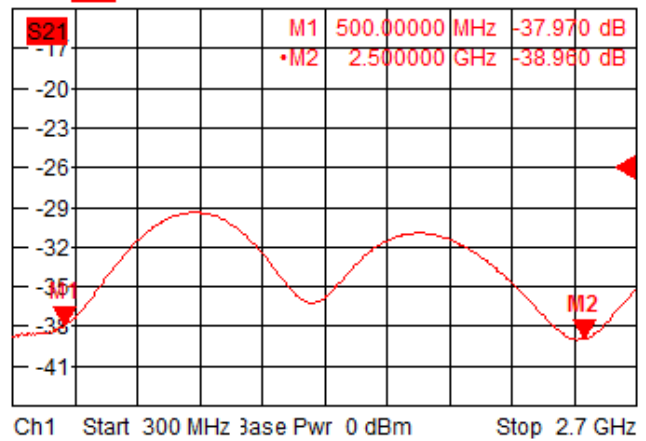
Trc2 **S22** SWR 100 mU/ Ref 1 U Cal



Trc3 **S21** dB Mag 1 dB / Ref -6 dB Invisible 3
Mem5(Trc3) **S21** dB Mag 1 dB / Ref -6 dB



Trc4 **S21** dB Mag 3 dB / Ref -26 dB Cal



Trc3 **S21** dB Mag 1 dB / Ref 0 dB Cal 3 (Max)

