



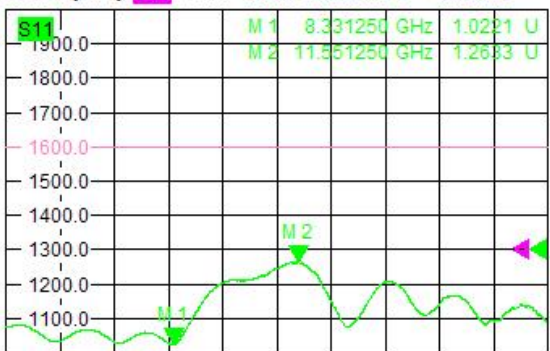
ULTRA WIDE BAND DIRECTIONAL COUPLER 4GHZ-18GHz

- Ultra wide band performance 4-18GHz
- 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



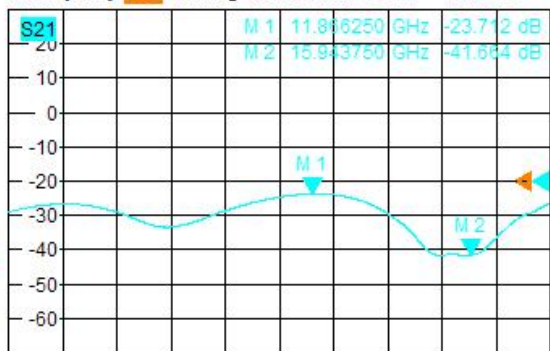
Electrical Specifications			
Frequency	4-18GHz	Power	50W CW
Amplitude Balance	$\pm 1.0\text{dB}$	Insertion Loss / VSWR	1.35dB 1.5 : 1
Directivity	10dB	Coupling	6.0dB
Environmental Specifications			
Oper.Temp.	-55°C to 85°C base plate	Storage Temp.	-55°C to 100°C base plate
Altitude	45,000 ft		
Mechanical 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

Trc1 S11 SWR 100 mU/ Ref 1.3 U Cal int Smo1
Mem10[Trc1] S11 SWR 100 mU/ Ref 1.3 U Invisible



Ch1 Start 4 GHz Pwr 0 dBm Stop 18 GHz

Trc2 S21 dB Mag 10 dB / Ref -20 dB Cal int Smo
Mem6[Trc2] S12 dB Mag 10 dB / Ref -20 dB Invisible



Ch1 Start 4 GHz Pwr 0 dBm Stop 18 GHz

