



## WIDE BAND 500W HIGH POWER DIRECTIONAL COUPLER 100-400MHz



- Ultra wide band performance 100MHz-400MHz
- High power operation up to 500W CW, 10KW peak power
- Compact size and low loss.
- Low passive inter-modulation product.
- Customized unit available.
- Applicable for base station, repeaters of CMDA GSM and UMTS cellular network

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Electrical Specifications			
PN (20dB)	RFDC1M4M20	PN (30dB)	RFDC1M4M30
Frequency	100MHz-400MHz	Power	500W CW / 10KW Peak
Coupling	30dB	Insertion Loss	0.25dB (30dB)
Directivity	20dB (Coupling 30dB)	VSWR	1.2:1
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

