



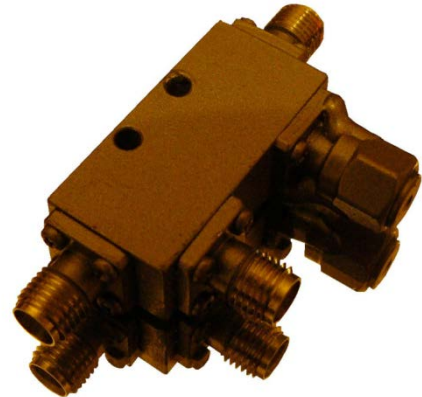
RF-LAMBDA

The power beyond expectations

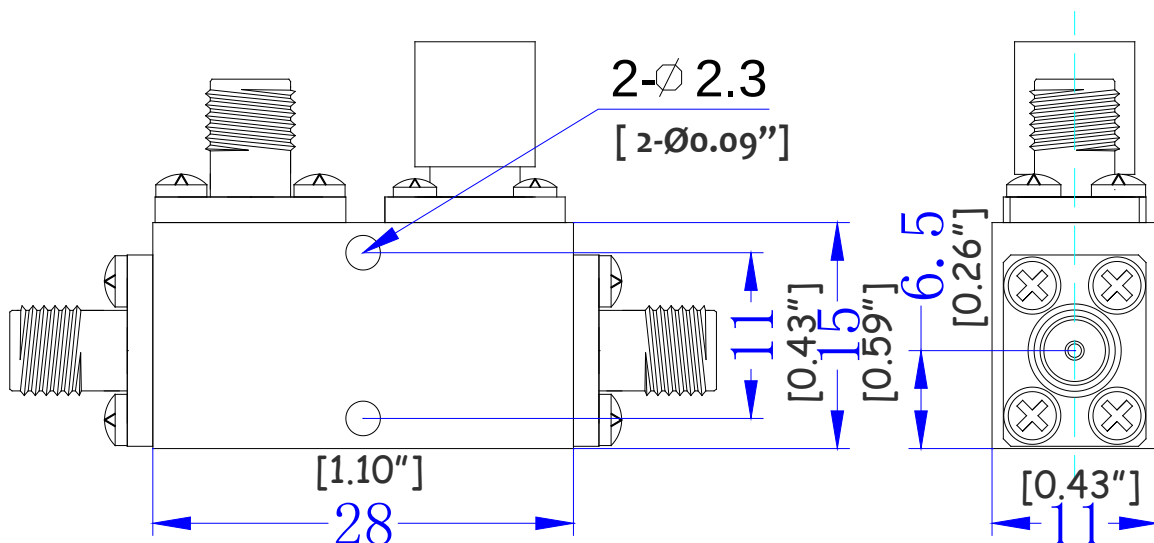
RFDC8G40G12

ULTRA WIDE BAND 50W DIRECTIONAL COUPLER 8.0GHZ-40.0GHZ 12dB

- Ultra wide band performance 8.0GHz-40.0GHz
- 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	8.0-40.0GHz	Power	50W CW
Coupling Accuracy	$\pm 1.0\text{dB}$	Insertion Loss / VSWR	1.6dB / 1.6 : 1
Directivity	10dB	Coupling	$12 \pm 1.0\text{dB}$
Environmental and Mechanical Specifications			
Oper. Temp.	-55°C to 85°C base	Storage Temp.	-55°C ~100°C base
Altitude	45,000 ft	Humidity	95% relative humidity, 65°C 96Hour
Humidity	95% relative humidity, 65°C 96Hour	Mechanical shock	30G, 11mSec half sin wave, 3 axis both directions
Vibration	14.2g RMS (15-2000Hz)	Connectors:	2.92mm-Female, Nickel Plate
	16.2g RMS (15-2000Hz) endurance, 1 hour/axis		Beryllium Copper, Gold Plate PIN



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