



RF-LAMBDA

The power beyond expectations

RFDC1G18G10N

WIDE BAND 50W N TYPE DIRECTIONAL COUPLER 1.0GHZ-18.0GHZ



- Wide band performance 1.0GHz-18.0GHz
- 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

WIDE BAND 50W SERIES DIRECTIONAL COUPLER 1.0GHZ-18.0GHZ

| Electrical Specifications | | | |
|------------------------------|---|-----------------------|---|
| Frequency Range: | 1.0-18.0GHz | Power | 50W CW |
| Amplitude Balance | n/a | Insertion Loss / VSWR | 1.2dB 1.6:1 |
| Directivity | 10dB | Coupling | 10dB |
| Environmental Specifications | | | |
| Operational 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: | N-Female Brass, Nickel Plate |
| | 16.2g RMS (15-2000Hz) endurance, 1 hour/axis | | Beryllium Copper, Gold Plate PIN |

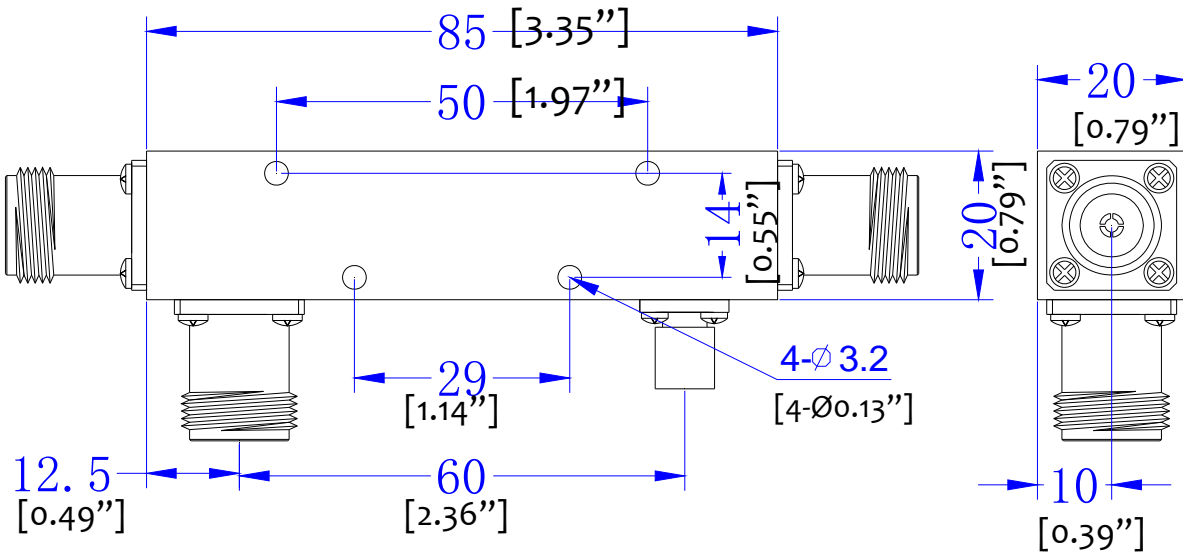


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DRAWING:



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