



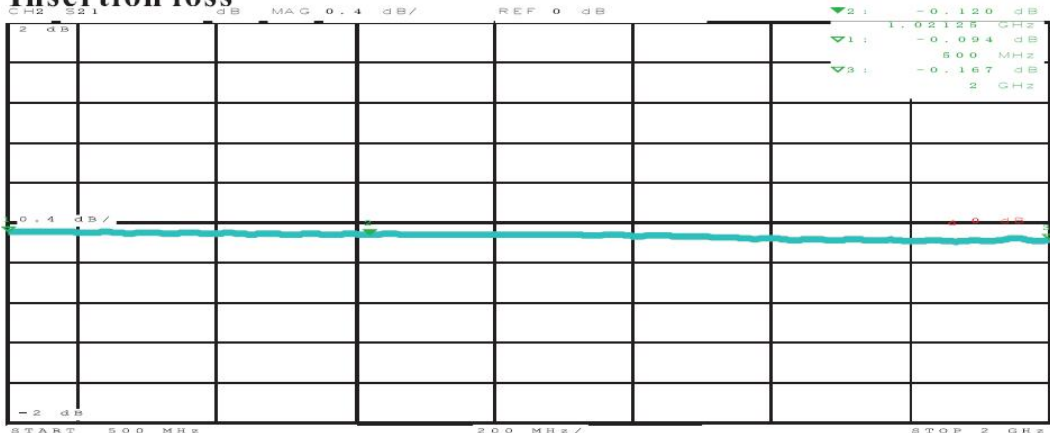
### ULTRA WIDE BAND 50W DIRECTIONAL COUPLER 0.5GHZ-2.5GMHZ



- 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            | $\pm 0.7$ dB                                      | Insertion Loss / VSWR | 0.4dB<br>1.2 : 1                                  |
| Directivity                  | 20dB  | Coupling              | $30 \pm 1.0$ 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<br>96Hour             | Mechanical shock      | 30G, 11mSec half sin wave, 3 axis both directions |
| Vibration:                   | 14.2.5G RMS (15-2000Hz)<br>functional             | Connectors:           | SMA-Female Brass,<br>Nickel Plate                 |
|                              | 16.2.5G RMS (15-2000Hz)<br>endurance, 1 hour/axis |                       | Beryllium Copper,<br>Gold Plate PIN               |

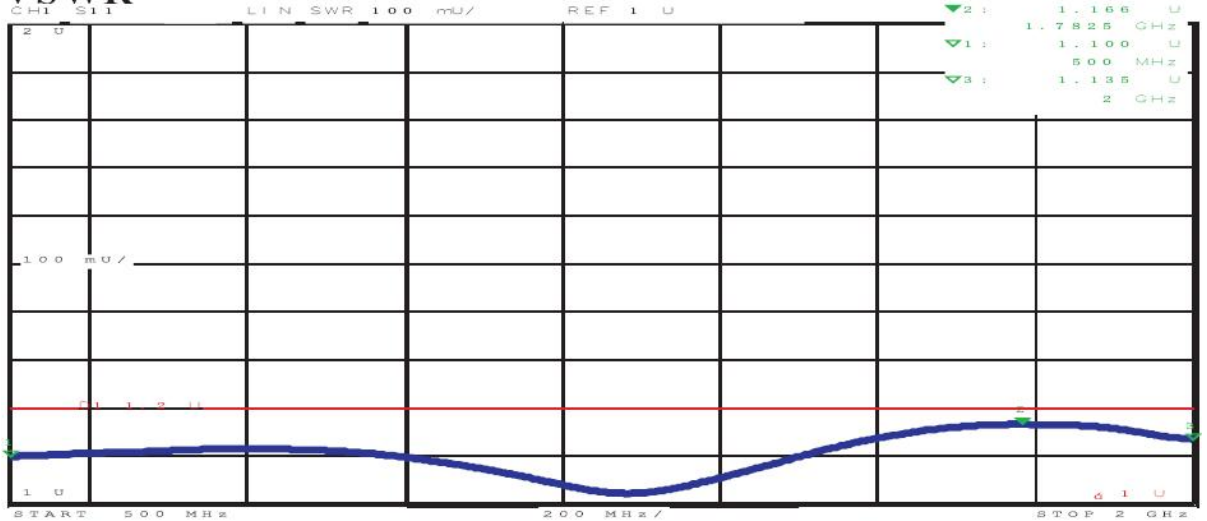
#### Insertion loss



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### VSWR



### DRAWING:

