



TECHNOLOGIES

TELECOMMUNICATION

DT Antenna Product



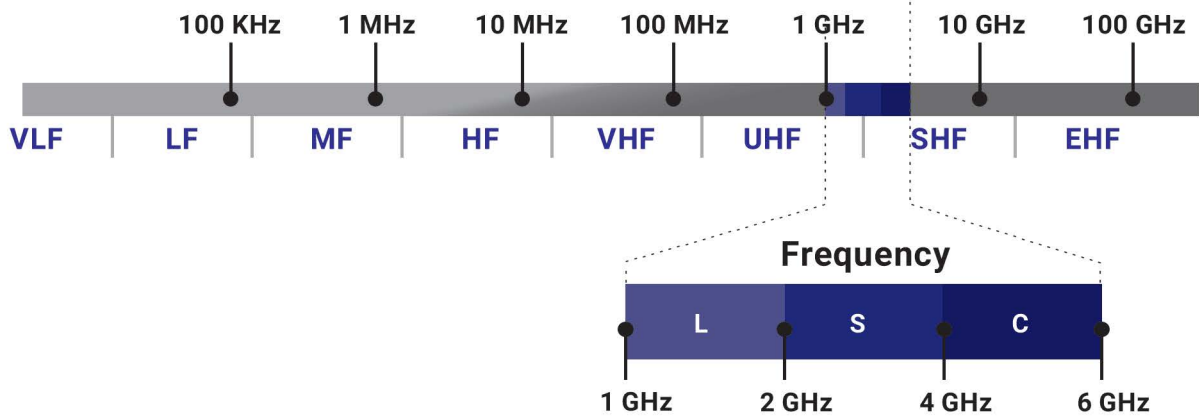
## Bi-Conical Antenna

1 to 6 GHz

Part Number: **BC-1-6-SL-NF**

Contents: Typical Gain / Antenna Factor

Typical Beamwidth / Patterns

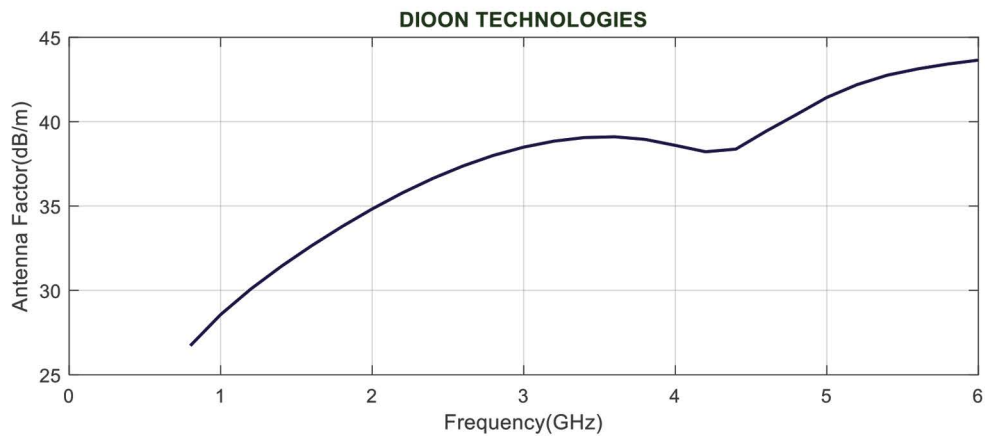
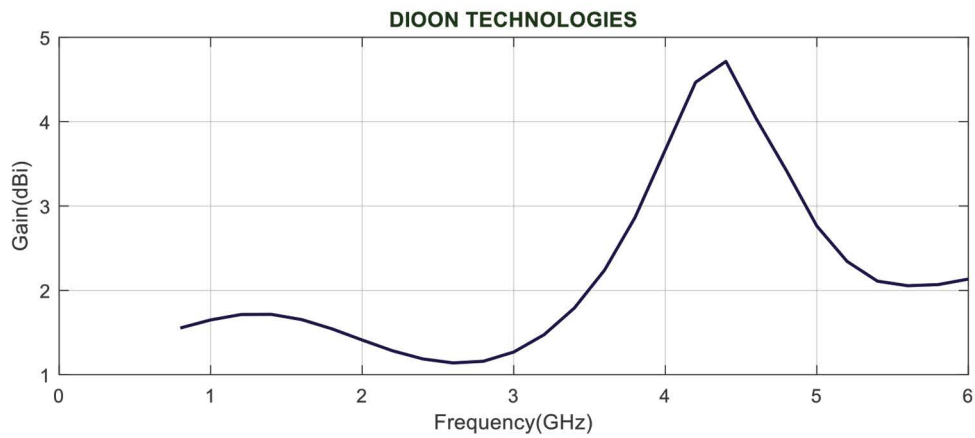


|  |                         |                          |
|--|-------------------------|--------------------------|
|  | <b>Gain</b>             | Typically 1 ~ 5 dBi      |
|  | <b>Power Handling</b>   | 50 Watts c. w.           |
|  | <b>VSWR</b>             | Typically <2.4:1         |
|  | <b>Polarization</b>     | Single Linear            |
|  | <b>Connector Type</b>   | N Type Female            |
|  | <b>Weight</b>           | ≈ 2 kg                   |
|  | <b>Approximate Size</b> | ≈ 90 mm × 90 mm × 100 mm |
|  | <b>Construction</b>     | Aluminum, Painted        |

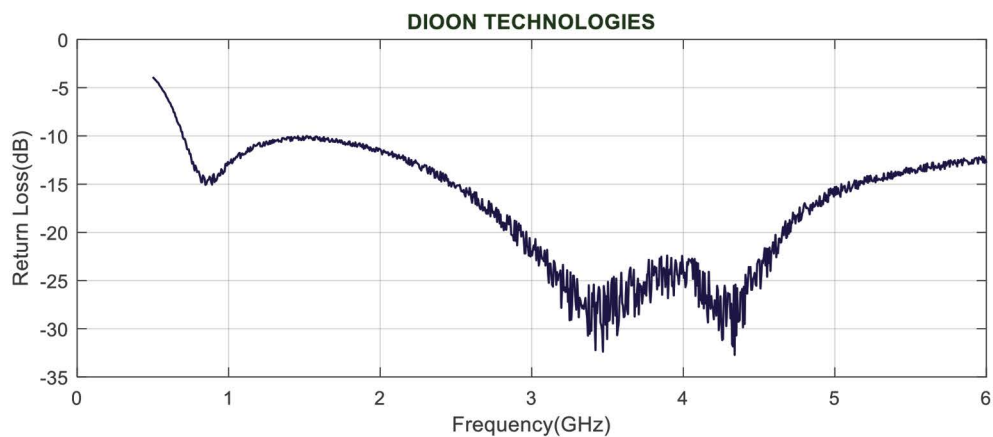


## Typical Antenna Gain / Factor

This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of  $\pm 0.8\text{dB}$ .

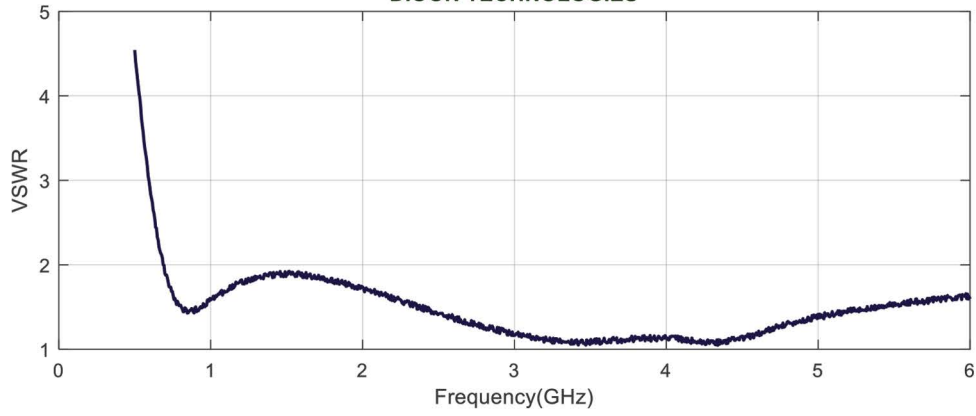


## Typical Antenna Return Loss / VSWR



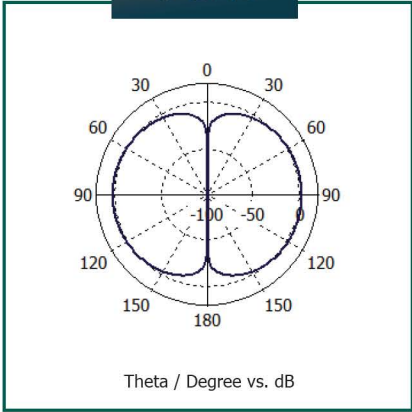


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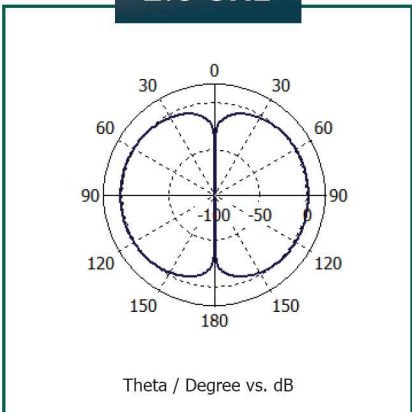
**Farfield Directivity Abs (Phi= 90)**

**1 GHz**



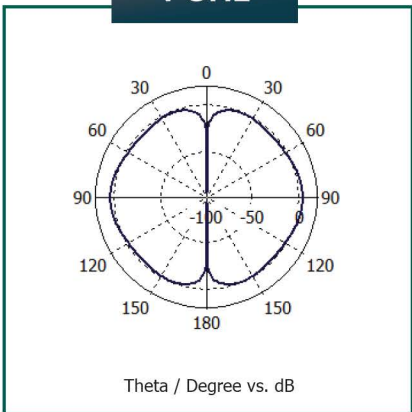
Theta / Degree vs. dB

**2.5 GHz**



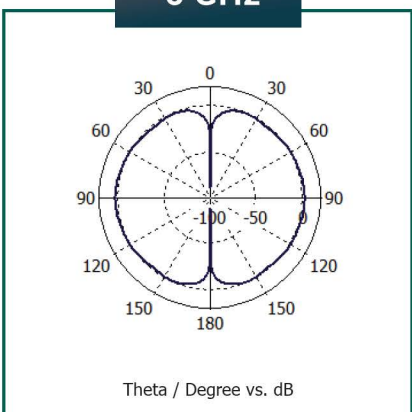
Theta / Degree vs. dB

**4 GHz**



Theta / Degree vs. dB

**6 GHz**



Theta / Degree vs. dB



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