



TECHNOLOGIES

TELECOMMUNICATION

DT Antenna Product



Parabolic Reflector Antenna

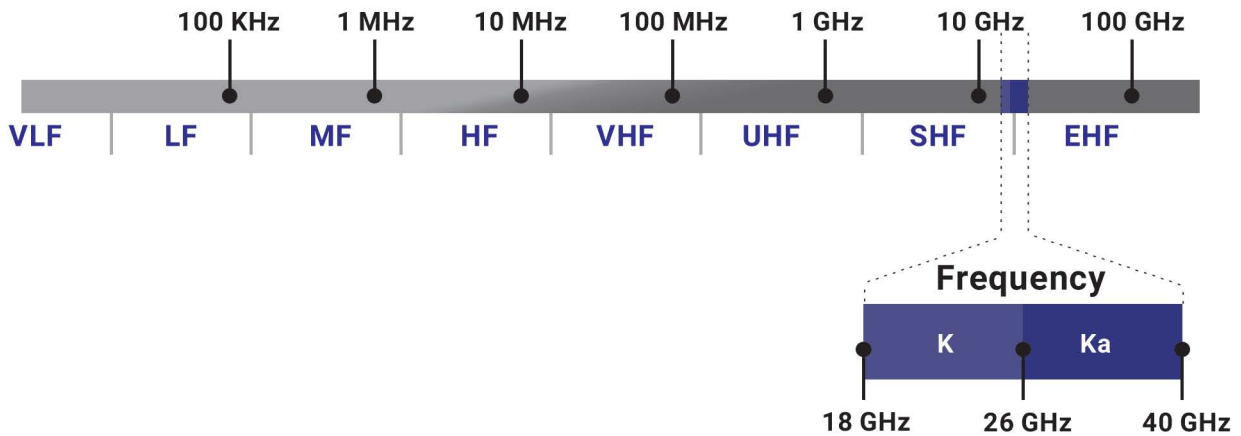
18 to 40 GHz

600mm Reflector Diameter

Part Number: **PR-600-PF-18-40-SL-KF**

Contents: Typical Gain / Antenna Factor

Typical Beamwidth / Patterns

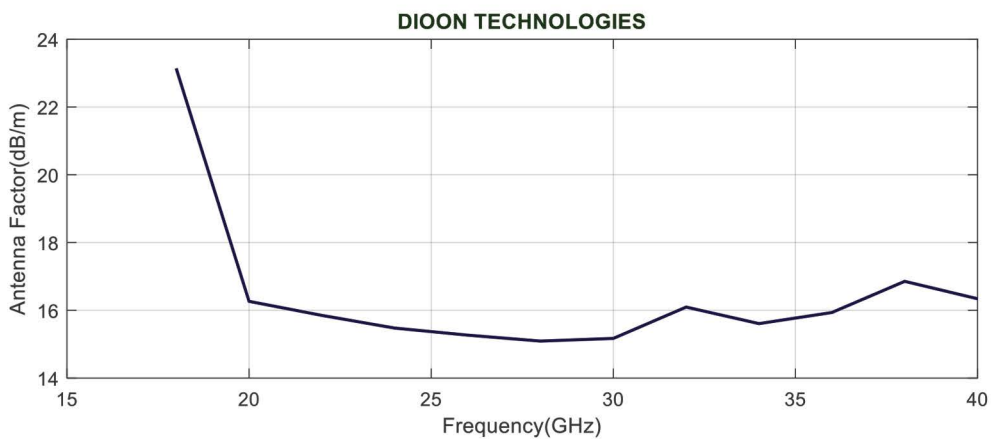
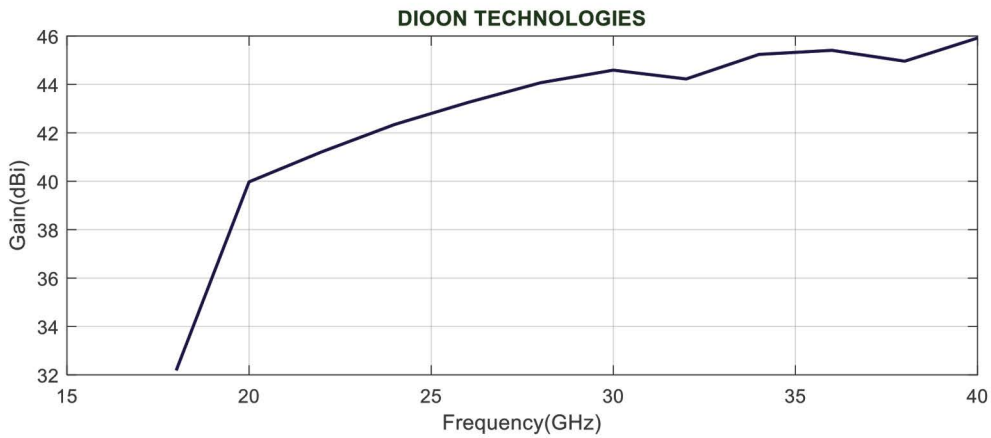


| | | |
|--|-------------------------|--|
| | Gain | Typically 32 ~ 46 dBi |
| | Power Handling | 40 Watts c. w. |
| | VSWR | Typically <1.7:1 |
| | Polarization | Single Linear |
| | 3dB Beamwidth | 0.7 to 0.9 degrees |
| | Connector Type | 2x K Type Female |
| | Weight | ≈ 4.5 kg |
| | Approximate Size | ≈ Reflector diameter 630 mm maximum |
| | Construction | Aluminium with copper and brass waveguide feed and engineering plastics. Reflector is powdercoat finished. |

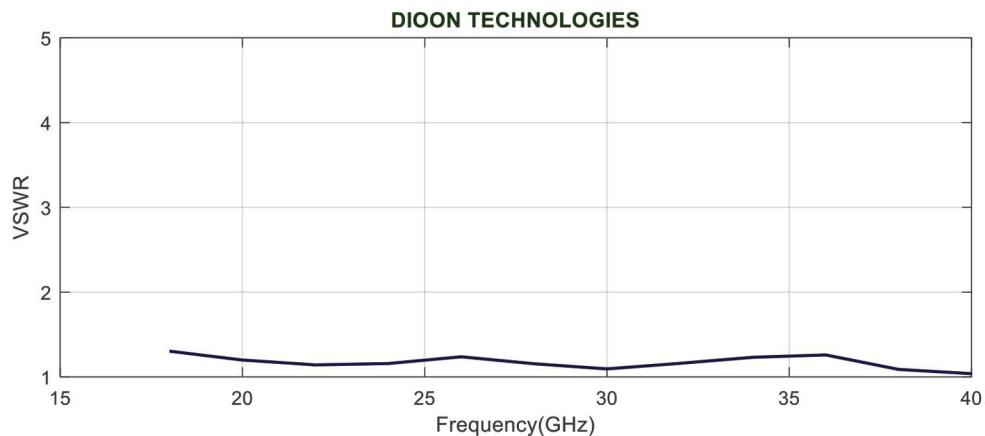
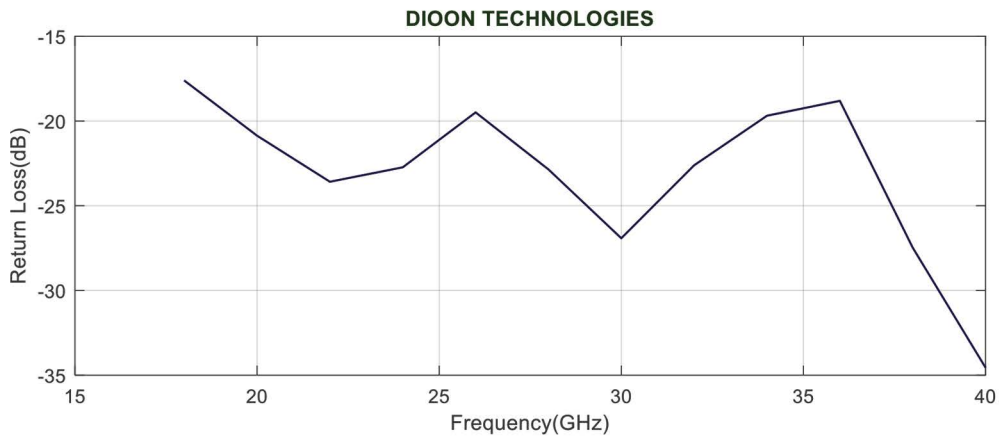


Typical Antenna Gain / Factor

This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.

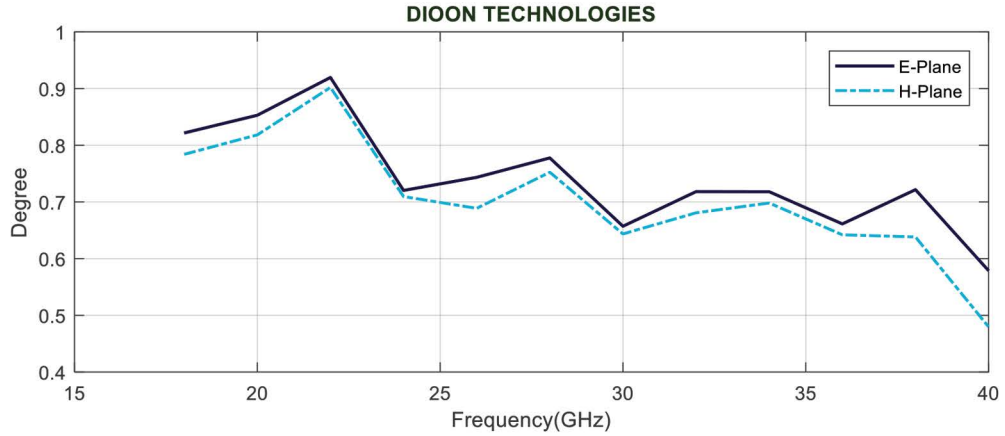


Typical Antenna Return Loss / VSWR



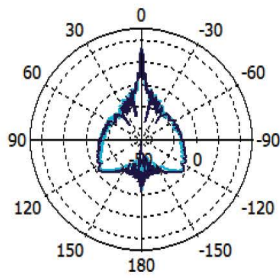


Typical Antenna HPBW



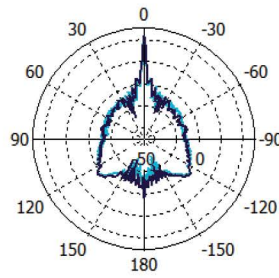
Farfield Directivity Abs (Phi= 0,90)

18 GHz



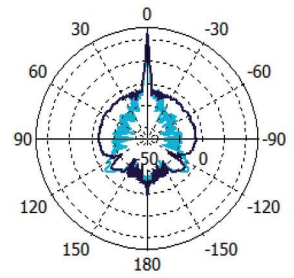
Theta / Degree vs. dB

24 GHz



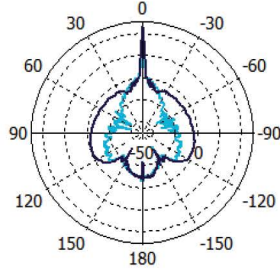
Theta / Degree vs. dB

30 GHz



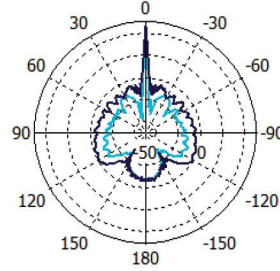
Theta / Degree vs. dB

35 GHz



Theta / Degree vs. dB

40 GHz



Theta / Degree vs. dB

— E-Plane
— H-Plane



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