



TECHNOLOGIES

TELECOMMUNICATION

DT Antenna Product



Parabolic Reflector Antenna

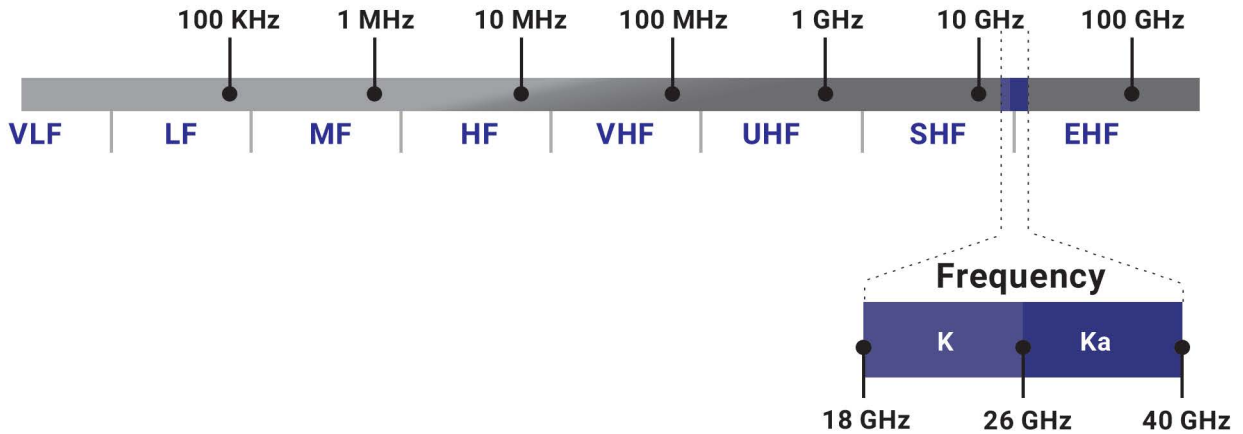
18 to 40 GHz

600mm Reflector Diameter

Part Number: PR-600-PF-18-40-DL-KF

Contents: Typical Gain / Antenna Factor

Typical Beamwidth / Patterns

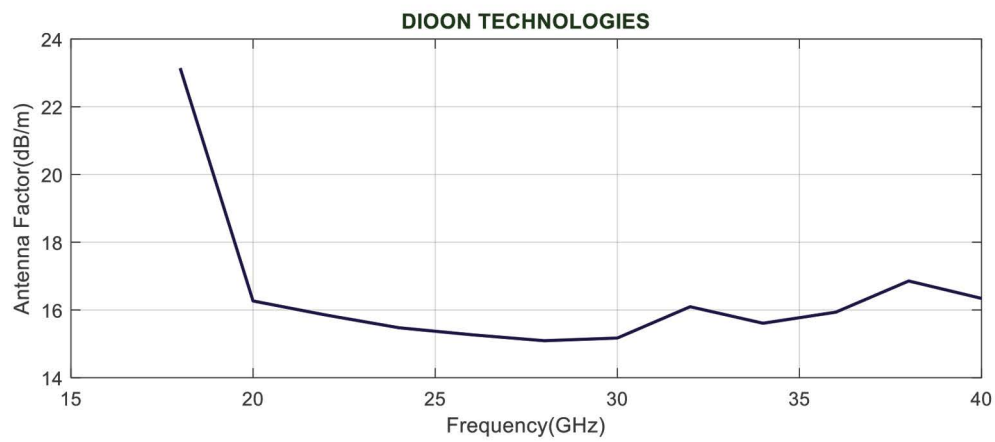
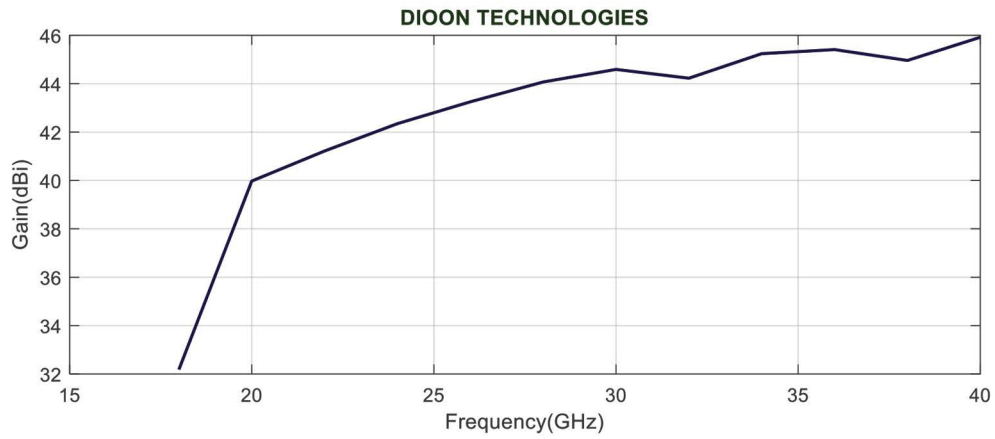


	Gain	Typically 32 ~ 46 dBi
	Power Handling	40 Watts c. w.
	VSWR	Typically <1.7:1
	Polarization	Dual Linear
	3dB Beamwidth	0.5 to 0.9 degrees
	Connector Type	2x K Type Female
	Weight	≈ 4.5 kg
	Approximate Size	≈ Reflector diameter 630 mm maximum
	Construction	Aluminium with copper and brass waveguide feed and engineering plastics. Reflector is powdercoat finished.

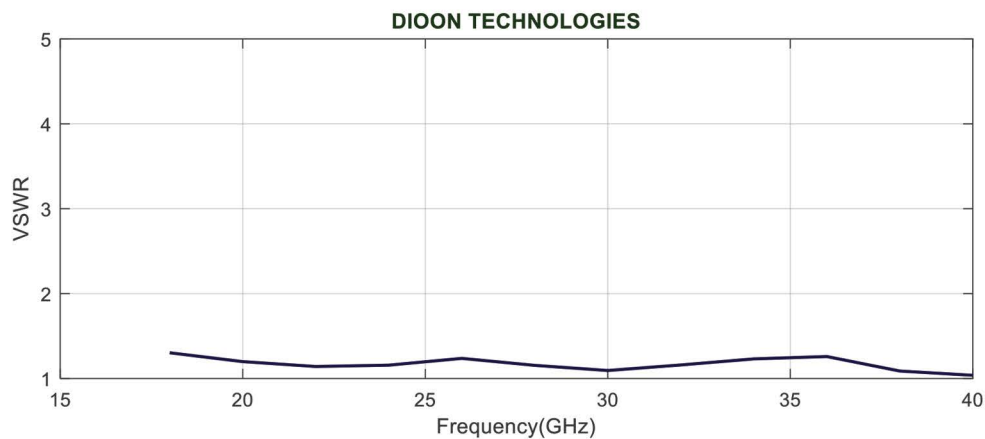
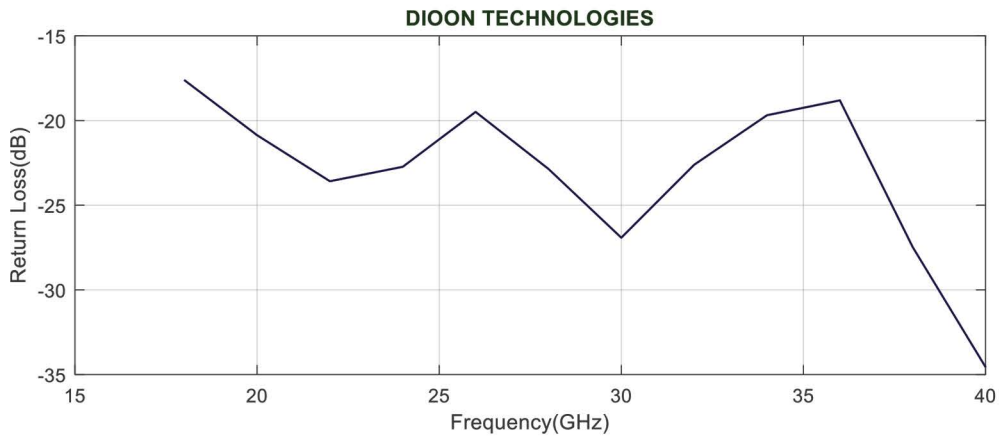


Typical Antenna Gain / Factor

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.

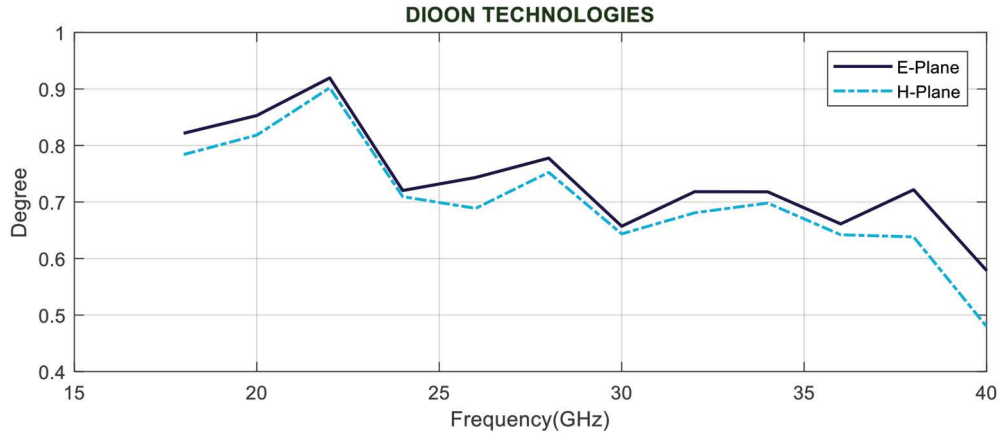


Typical Antenna Return Loss / VSWR



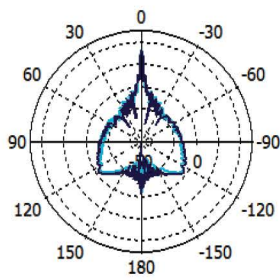


Typical Antenna HPBW



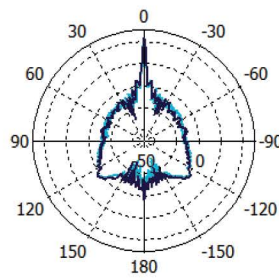
Farfield Directivity Abs (Phi= 0,90)

18 GHz



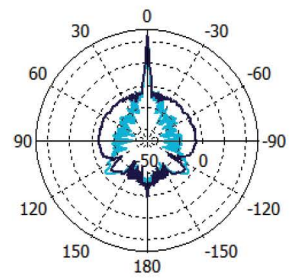
Theta / Degree vs. dB

24 GHz



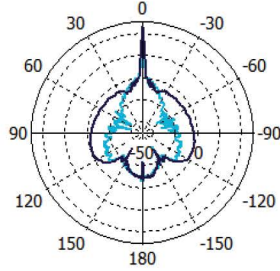
Theta / Degree vs. dB

30 GHz



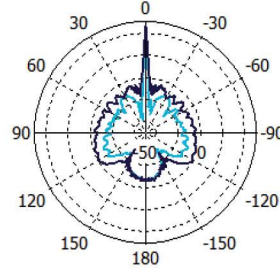
Theta / Degree vs. dB

35 GHz



Theta / Degree vs. dB

40 GHz



Theta / Degree vs. dB

— E-Plane
 - - - H-Plane



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