

DF Antenna

800 – 3000 MHz

Product Code: DF-A0020

SPECIFICATIONS:



Electrical:	
Frequency range	800 – 3000 MHz, reduced performance below 1 GHz
Nominal input impedance	50 Ω
Antenna type	5-element DF interferometer
Strong signal DF accuracy	< 1° RMS
Gain typical	0 dBi
Polarisation	Vertical
Mechanical:	
Dimensions (h x d)	550 mm x 300 mm
Weight	10 kg
Mounting method	Fixed mounting flange for mast or mobile mounting
Material	Aluminium, fibreglass
Environmental: designed to meet the following specifications	
Wind loading	0.3 m ²
Temperature (operational)	- 31 °C to +65 °C
Water ingress rating	IP67
Wind survival	160 km/h
UV stability BS 3900; Part F16, method A. Lamps: UVB (313): total duration 500 h	Product exceeds requirements set out by the British Standard

FEATURES:

- Highly versatile
- Accurate DF applications
- Vertical polarisation
- Easy to assemble and disassemble
- Rugged construction

APPLICATIONS:

- Mobile and fixed DF applications

PRODUCT DESCRIPTION:

The DF-A0020 direction finding antenna from Alaris Antennas originates from the well-established DF-A0001 wideband DF antenna. This antenna is the highest-frequency set, which works well from 800 to 3000 MHz. It is suitable for quick deployment as well as fixed applications.

The 5-element interferometer antenna is located inside a radome with the electrical connections for the five channels being available near the base as depicted or via the centre of the mast as required. These can then be terminated into an ASU or extended for direct connection into a receiver.

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VERSION: 2.6

SENSITIVITY PLOT:

