



HPA ... 5258 Series Antenna Specifications

HPA 0.6 D 5258 FR 2N HPA 0.8 D 5258 FR 2N HPA 1.2 D 5258 FR 2N HPA 1.5 D 5258 FR 2N HPA 1.8 D 5258 FR 2N

Electrical Specification

Operating Frequency	5.150–5.850 GHz				
Diameter	0.6 m	0.8 m	1.2 m	1.5 m	1.8 m
Gain mid-band	27.3 dBi	30.1 dBi	33.6 dBi	35.5 dBi	36.9 dBi
Polarization	Linear Duplex (Horizontal and Vertical)				
Half-Power Beamwidth	6.4°	4.8°	3.2°	2.5°	2.1°
Return Loss	-14.0 dB	-14.0 dB	-14.0 dB	-14.0 dB	-14.0 dB
Front-to-Back Ratio	48 dB	52 dB	54 dB	58 dB	60 dB
Cross-Polar Discrimination	25 dB	28 dB	28 dB	28 dB	28 dB
Inter-Port Isolation	36 dB	36 dB	36 dB	36 dB	36 dB
Connector	N (Female) Connector				

Mechanical Specification

Net Weight ¹	16 kg	29 kg	52 kg	85 kg	146 kg
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¹ Clamps, adjustment system (and side strut from 0.8 m diameter) are included.

Antenna Pointing Range

Azimuth <i>fine</i>	±20°	±20°	±15°	±5°	±5°
Elevation <i>fine</i>	±30°	±30°	±20°	±5°	±5°

Material and Finish

Mount	Hot-Dip-Galvanized Steel				
Installation Hardware	Stainless Steel				
Feed	Aluminium				

Environmental Specification

Operating Windspeed	120 km/h				
Survival Windspeed	220 km/h				
Ambient Temperature	±55°C				

ETSI Standard

ETSI Range	1	1	1	1	1
ETSI Class	2	2	2	2	2