



HPA ... 130150 Series Antenna Specifications

HPA 0.3 S 130150 SR HPA 0.4 S 130150 FR HPA 0.6 S 130150 FR HPA 0.8 S 130150 FR HPA 1.2 S 130150 FR HPA 1.5 S 130150 FR HPA 1.8 S 130150 FR

Electrical Specification

Operating Frequency	12.750–15.350 GHz						
Diameter	0.3 m	0.4 m	0.6 m	0.8 m	1.2 m	1.5 m	1.8 m
Gain mid-band	29.9 dBi	33.2 dBi	36.2 dBi	38.4 dBi	41.9 dBi	43.9 dBi	45.5 dBi
Polarization	Linear Simplex (Horizontal or Vertical)						
Half-Power Beamwidth	5.0°	3.4°	2.5°	1.9°	1.2°	1.0°	0.8°
Return Loss	-17.7 dB	-17.7 dB	-17.7 dB	-19.1 dB	-19.1 dB	-20.8 dB	-20.8 dB
Front-to-Back Ratio	56 dB	58 dB	62 dB	65 dB	68 dB	70 dB	72 dB
Cross-Polar Discrimination	30 dB	30 dB	30 dB	30 dB	30 dB	30 dB	30 dB
Flange ¹	Upon Customer's Request						

¹ Standard waveguide flange or any ODU interface is available upon request.

Mechanical Specification

Net Weight ²	10 kg	11 kg	14 kg	26 kg	48 kg	85 kg	146 kg
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² Approximate weight (net weight depends on the required interface). Clamps, adjustment system (and side strut from 0.8 m diameter) are included.

Antenna Pointing Range

Azimuth _{fine}	±20°	±20°	±20°	±20°	±15°	±5°	±5°
Elevation _{fine}	±30°	±30°	±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 ³	1/2	1/2	1/2	1/2	1/2	1/2	1/2
ETSI Class	2	2	3	3	3	3	3

³ Operating frequency crosses Range 1 – Range 2 border.