



## HPA ... 1315 Series Antenna Specifications

	HPA 0.6 S 1315 FR-N	HPA 0.8 S 1315 FR-N	HPA 1.2 S 1315 FR-N	HPA 1.5 S 1315 FR-N	HPA 1.8 S 1315 FR-N
<b>Electrical Specification</b>					
Operating Frequency	1.350–1.535 GHz				
Diameter	0.6 m	0.8 m	1.2 m	1.5 m	1.8 m
Gain mid-band	16.3 dBi	18.6 dBi	22.1 dBi	24.1 dBi	25.7 dBi
Polarization	Linear Simplex (Horizontal or Vertical)				
Half-Power Beamwidth	23.4°	18.1°	12.1°	9.7°	8.1°
Return Loss	-14.0 dB	-14.0 dB	-14.0 dB	-14.0 dB	-14.0 dB
Front-to-Back Ratio	32 dB	34 dB	35 dB	38 dB	42 dB
Cross-Polar Discrimination	24 dB	28 dB	28 dB	28 dB	30 dB
Connector <sup>1</sup>	N (Female) Connector				
<sup>1</sup> Other connector types are available upon request.					
<b>Mechanical Specification</b>					
Net Weight <sup>2</sup>	14 kg	28 kg	62 kg	85 kg	146 kg
<sup>2</sup> Clamps, adjustment system (and side strut from 0.8 m diameter) are included.					
<b>Antenna Pointing Range</b>					
Azimuth <i>fine</i>	±20°	±20°	±15°	±5°	±5°
Elevation <i>fine</i>	±30°	±30°	±20°	±5°	±5°
<b>Material and Finish</b>					
Mount	Hot-Dip-Galvanized Steel				
Installation Hardware	Stainless Steel				
Feed	Brass				
<b>Environmental Specification</b>					
Operating Windspeed	120 km/h				
Survival Windspeed	220 km/h				
Ambient Temperature	±55°C				
<b>ETSI Standard</b>					
ETSI Range	0	0	0	0	0
ETSI Class	2	2	2	2	2