



HPA ... 7185 Series Antenna Specifications

	HPA 0.6 S 7185 FR	HPA 0.8 S 7185 FR	HPA 1.2 S 7185 FR	HPA 1.5 S 7185 FR	HPA 1.8 S 7185 FR
Electrical Specification					
Operating Frequency	7.125–8.500 GHz				
Diameter	0.6 m	0.8 m	1.2 m	1.5 m	1.8 m
Gain mid-band	30.2 dBi	33.0 dBi	36.8 dBi	38.8 dBi	40.4 dBi
Polarization	Linear Simplex (Horizontal or Vertical)				
Half-Power Beamwidth	4.5°	3.4°	2.3°	1.8°	1.5°
Return Loss	–19.1 dB	–19.1 dB	–23.1 dB	–23.1 dB	–23.1 dB
Front-to-Back Ratio	60 dB	63 dB	67 dB	69 dB	70 dB
Cross-Polar Discrimination	30 dB	30 dB	30 dB	30 dB	30 dB
Flange ¹	Upon Customer's Request				
¹ N-connector, standard waveguide flanges or any ODU interface is available upon request.					
Mechanical Specification					
Net Weight ²	14 kg	26 kg	62 kg	85 kg	146 kg
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°	±15°	±5°	±5°
Elevation _{fine}	±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	3	3	3	3	3