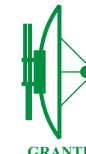


HPA ... 71 Series Antenna Specifications

	HPA 0.6 S 71 FR	HPA 0.8 S 71 FR	HPA 1.2 S 71 FR	HPA 1.5 S 71 FR	HPA 1.8 S 71 FR
Electrical Specification					
Operating Frequency	7.125–7.750 GHz				
Diameter	0.6 m	0.8 m	1.2 m	1.5 m	1.8 m
Gain mid-band	29.9 dBi	32.8 dBi	36.5 dBi	38.4 dBi	40.0 dBi
Polarization	Linear Simplex (Horizontal or Vertical)				
Half-Power Beamwidth	4.8°	3.5°	2.4°	1.9°	1.6°
Return Loss	–19.1 dB	–19.1 dB	–23.1 dB	–23.1 dB	–26.4 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



HPA ... 71 Series Antenna Specifications

	HPA 0.6 D 71 FR	HPA 0.8 D 71 FR	HPA 1.2 D 71 FR	HPA 1.5 D 71 FR	HPA 1.8 D 71 FR
Electrical Specification					
Operating Frequency	7.125–7.750 GHz				
Diameter	0.6 m	0.8 m	1.2 m	1.5 m	1.8 m
Gain mid-band	29.7 dBi	32.6 dBi	36.3 dBi	38.2 dBi	39.8 dBi
Polarization	Linear Duplex (Horizontal and Vertical)				
Half-Power Beamwidth	4.8°	3.5°	2.4°	1.9°	1.6°
Return Loss	–19.1 dB	–19.1 dB	–20.8 dB	–20.8 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
Inter-Port Isolation	40 dB	40 dB	40 dB	40 dB	40 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				
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