

HPA ... 320 Series Antenna Specifications

HPA 0.3 S 320 SR HPA 0.4 S 320 FR HPA 0.6 S 320 FR HPA 0.8 S 320 FR

Electrical Specification

Operating Frequency	31.000–33.400 GHz			
Diameter	0.3 m	0.4 m	0.6 m	0.8 m
Gain mid-band	37.7 dBi	40.1 dBi	43.4 dBi	45.6 dBi
Polarization	Linear Simplex (Horizontal or Vertical)			
Half-Power Beamwidth	2.0°	1.5°	1.2°	0.8°
Return Loss	-17.7 dB	-17.7 dB	-17.7 dB	-17.7 dB
Front-to-Back Ratio	63 dB	66 dB	69 dB	70 dB
Cross-Polar Discrimination	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
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² Approximate weight (net weight depends on the required interface). Clamps, adjustment system (and side strut for 0.8 m diameter) are included.

Antenna Pointing Range

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

Material and Finish

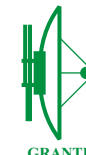
Mount	Hot-Dip-Galvanized Steel
Installation Hardware	Stainless Steel
Feed	Aluminium

Environmental Specification

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

ETSI Standard

ETSI Range	5	5	5	5
ETSI Class	3b	3b	3b	3b



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Gain mid-band	37.7 dBi	40.1 dBi	43.4 dBi	45.6 dBi
Polarization	Linear Duplex (Horizontal and Vertical)			
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Cross-Polar Discrimination	30 dB	30 dB	30 dB	30 dB
Flange ¹	Upon Customer's Request			

¹ Circular waveguide with 7 mm diameter, or direct mounted Orthomode transducer with ODU interfaces and/or standard waveguide flanges.

For more information about orthomode transducers please visit <http://www.grante.hu/products/passives/OMT/index.html>

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