



## HPA ... 380 Series Antenna Specifications

HPA 0.3 S 380 SR      HPA 0.4 S 380 FR      HPA 0.6 S 380 FR      HPA 0.8 S 380 FR

### Electrical Specification

Operating Frequency	37.000–39.500 GHz			
Diameter	0.3 m	0.4 m	0.6 m	0.8 m
Gain mid-band	39.2 dBi	41.9 dBi	44.9 dBi	47.1 dBi
Polarization	Linear Simplex (Horizontal or Vertical)			
Half-Power Beamwidth	1.7°	1.2°	0.9°	0.7°
Return Loss	-19.1 dB	-19.1 dB	-19.1 dB	-19.1 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 <sup>1</sup>	Upon Customer's Request			

<sup>1</sup> Standard waveguide flange or any ODU interface is available upon request.

### Mechanical Specification

Net Weight <sup>3</sup>	10 kg	11 kg	14 kg	26 kg
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<sup>3</sup> 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

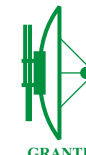
Mount	Hot-Dip-Galvanized Steel
Installation Hardware	Stainless Steel
Feed	Aluminium

### 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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### Electrical Specification

Operating Frequency	37.000–39.500 GHz			
Diameter	0.3 m	0.4 m	0.6 m	0.8 m
Gain mid-band	39.2 dBi	41.9 dBi	44.9 dBi	47.1 dBi
Polarization	Linear Duplex (Horizontal and Vertical)			
Half-Power Beamwidth	1.7°	1.2°	0.9°	0.7°
Return Loss	-19.1 dB	-19.1 dB	-19.1 dB	-19.1 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<sup>1</sup>      Upon Customer's Request

<sup>1</sup> Circular waveguide with 6 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>

### Mechanical Specification

Net Weight<sup>2</sup>      10 kg      11 kg      14 kg      26 kg

<sup>2</sup> Approximate weight (net weight depends on the required interfaces). 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