

Product datasheet

10 dB Standard Gain Horn Antenna

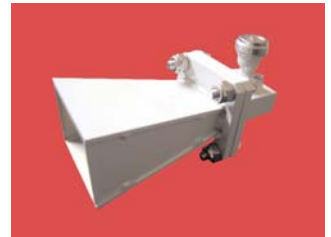
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Application: Microwave Measurements Gain Standard at X-band (WG16/WR90)

- Ideally suited for Microwave measurement at X-band
- Maintains excellent RF performance across frequency band
- Comes integrated with a coaxial to waveguide transition
- Broadband design, covers the full waveguide band, low VSWR



Technical specification

Electrical

Frequency Band:	8.2 - 12.4 GHz
Gain:	10 dBi nominal
Polarisation:	Linear
3 dB Beamwidth Horizontal Plane:	30°
3 dB Beamwidth Vertical Plane:	30°
Front to Back Ratio:	25 dB
Nominal Impedance:	50 Ohm
VSWR:	1.2:1.0 max.
Maximum Input Power:	100 W
Connector Type:	N-Type Female. Other connector types available on request.
Waveguide Size:	WG16/WR90
Flange Type:	UBR100
Application:	Gain Standard for X-band Measurement Horn Antenna

Mechanical

Appearance:	Pyramidal Horn Antenna
Size (W x H x L):	45 mm x 35 mm x 100 mm
Weight::	0.3 Kg (1.0 lbs)
Operating Temperature:	-30° C to + 60° C

Materials

Metal	Aluminium (Allochrom)
Covering Material:	Polyurethane paint
Colour	White or Grey
Mounting Method	Fitted Bracket to Flange



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