

6 – 18 GHz Wideband Reflector Antenna for Jamming or Surveillance

MODEL EW6-18 / 1000



Elite has a particularly extensive background in providing high quality wide band and/or high power horn and reflector antennas.

The company offers a wide range of high quality COTS and custom designed prime focus, solid, or segmented reflector/feed antenna combinations.

Applications include transmit and receive systems such as EW, ELINT, Direction Finding, Meteorological Sensors, and Communication Systems. High gain and low sidelobes with low VSWR is provided by Elite's wideband reflector antenna designs.

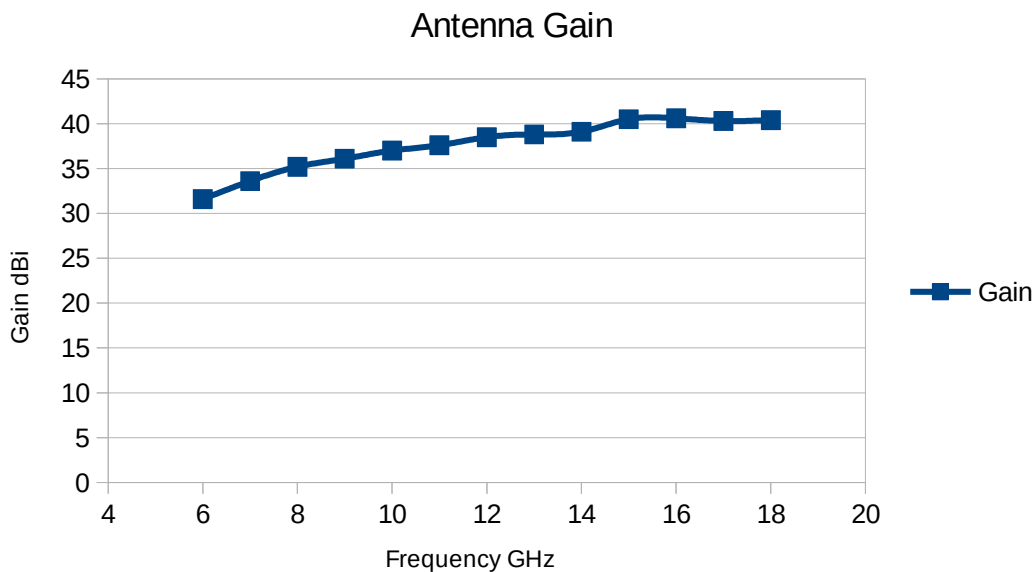
Linear, circularly polarised and dual polarised feeds are available with either SMA, N type connectors and waveguide flanges. A number of differing standard and bespoke reflector and feed combinations can be provided to the customer's requirements.

Custom antenna and feed designs are particularly welcomed.

Elite design & manufacture a wide variety of L, C, X, Ku, & Ka band satcom antennas for high-end customers including defence agencies, commercial broadcast networks, systems integrators and research agencies.

Specification

Frequency	6 - 18 GHz
Gain	Typically = 31.6 dBi @ 6 GHz Typically = 38.5 dBi @ 12 GHz Typically = 40.4 dBi @ 18 GHz
3dB Beamwidth	Typically 1.5 - 3 degrees
Power Handling	300W C.W.
Connector Type	N Type Jack
Antenna Diameter	1000mm max. (electrically 970mm)
Weight	Nominally 6.5 kg
Focal Length	457 mm
VSWR	Typically < 2:1 across 95% of the band
Construction	Spun aluminium reflector. Powdercoat White RAL910 finish. Feed manufactured from aluminium and composite material.



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Contact us today to discuss your company's requirements



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Designed and made in Great Britain

