

2 - 8 GHz Wideband Antenna for Surveillance and SIGINT

MODEL EW2-8/90653



Designed for surveillance and SIGINT purposes these antennas incorporate a number of novel features. The antennas are of very rugged construction in line with government or military purposes and offering excellent antenna performance over the waveguide band.

High gain, low sidelobes and low VSWR levels, make this design especially suited for receive and transmit applications including ELINT, EW.

Features

- The feed is designed to provide low VSWR and high power transmission and is provided with a radome cover to stop ingress of foreign matter
- The reflector antenna is spun from aluminium and is powdercoated RAL9010 white providing long lasting environmental protection and maximum durability
- The mounting boss allows rotation for vertical, horizontal or slant antenna polarisation

Technical Data

Antenna diameter	Termination	CW power handling	Rear mounting boss
0.6m	Type N Female	Typically 500W	8 equi-spaced M8 tapped holes on 125 PCD

Typical Antenna Gain

Frequency GHz	2	3	4	5	6	7	8
Gain dBi	20.0	21.4	24.1	24.5	24.2	24.5	25.2
-3dB Beamwidth	15.5	10.2	7.9	6.4	6.0	5.1	4.1



Rear Antenna Mounting Boss

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

Please note higher power antennas are also available. Please contact Sales for further details

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