



Optimised for MOTUS applications

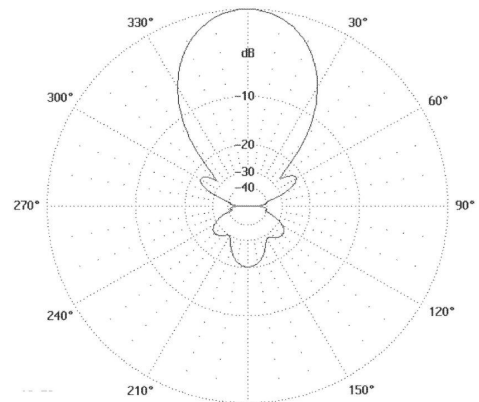
164 - 170MHz Directional Yagi Antenna

Model: 9E166-*

Frequency Range:	164 – 170MHz
Gain(free space):	12.4dBi (10.2dBd)
Impedance:	50 Ohms
1.5:1 VSWR Bandwidth (typ.):	>6MHz
Polarization:	Horizontal or Vertical
Pattern:	Directional
-3dB Beamwidth(free space):	43° x 50° (E x H)
Front-to-Back Ratio	>18dB
Power Rating:	250 Watts
Input Connector:	* see chart below - supplied on 12" (30cm) coax pigtail
Length::	136" (346cm) (3-piece boom for easier shipping)
Windload (no ice):	1.4sq.ft (0.13sq. m)
Mounting:	Mounting bracket included {fits up to 2.38"(5.96cm) od support mast}
Weight:	6 lb 10 oz (3.0kg) (including mounting bracket)
Construction:	Aluminum and Stainless Steel
Shipping:	Supplied in 3.5" x 3.5" x 49" (8.9 x 8.9 x 125cm) box

-* Connector options:
N-Female – 9E166-NF
N-Male – 9E166-NM
UHF Male – 9E166-UM
UHF Female – 9E166-UF
SMA-Male – 9E166-SM
BNC Female – 9E166-BF
BNC Male – 9E166-BM

Horizontal Radiation Pattern for Horizontal Polarization



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