

EP60012L EP60012V

BICONICAL ANTENNA

- For e.m. field measurement
- Ferrite beads shielded coax cable available as option
- Customization available



EP60012L



EP60012V

ELECTRICAL

Frequency	50 ÷ 2500 MHz
Input impedance	50 Ω
Polarization	linear
VSWR	< 1.7 across band
Gain	-1 ÷ 2 dBi
Half power beamwidth	360° × see fig. below
Power rating	20 W cw

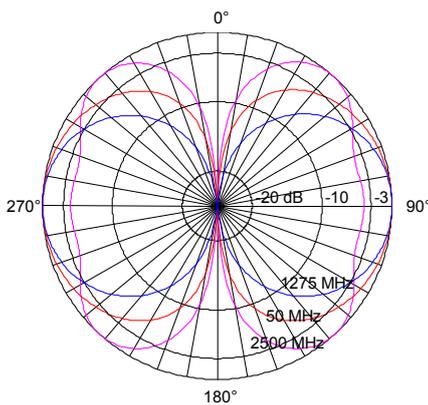
MECHANICAL

Connector	N-female or SMA-female
H × W × radome dia.	200×225×100 mm (EP60012L)
H × radome dia.	385×100 mm (EP60012V)
Mass	≈ 450 g
Standard finish	scratchproof texturized black (EP60012V) light grey (EP60012L)

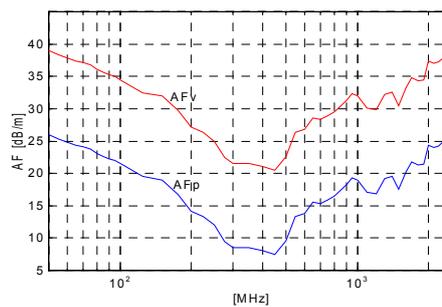
MOUNTING

Standard interface	aluminium bracket (screws or stainless steel tie)
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E plane pattern



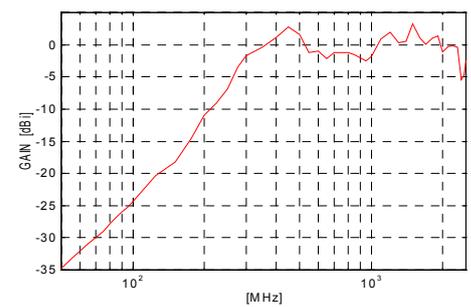
Antenna Factor



$$AF_V \text{ [dB/m]} = E_I \text{ [dBV/m]} - V_A \text{ [dBV]}$$

$$AF_P \text{ [dB/m]} = E_I \text{ [dBV/m]} - P_{out} \text{ [dBm]}$$

Gain



E_I = electric field strength;

V_A = output voltage at antenna connector, measured across a 50 Ω load;

P_{out} = output power at antenna connector, measured across a 50 Ω load.

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Since **ElettroMagnetic Services** is specialized in development and production of custom antennas, if you need electrical and/or mechanical modifications of this product to meet a particular application or requirements, please feel free to contact us directly.

HEADQUARTERS

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