

EP60012L EP60012V

BICONICAL ANTENNA

ElettroMagnetic Services
SRL

- 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

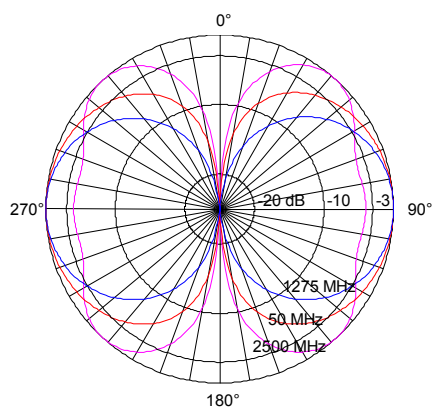
MECHANICAL

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)

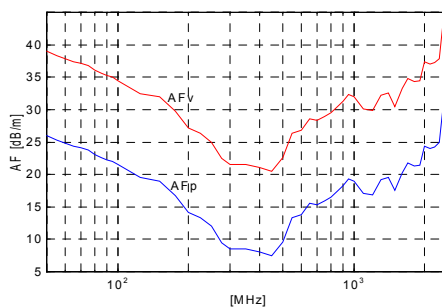
MOUNTING

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



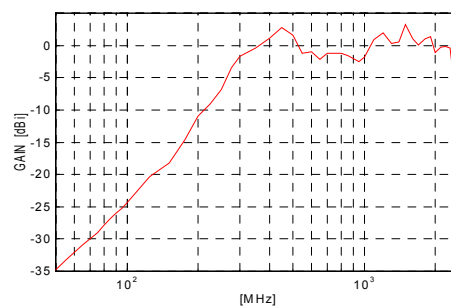
Antenna Factor



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

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

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.

Due to technical improvements, specifications provided in this data sheet may change without notice.
Whilst every effort is made to ensure an high degree of accuracy to all specifications here reported, no responsibility can be accepted for any errors or omissions.
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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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