

## ELECTRICAL FEATURES

**WORKING BAND:** 110÷860 MHz

**BANDWIDTH:** 6% of working frequency with VSWR  $\leq$  1.22:1

**GAIN:** 1.5 dBd (3.7 dBi)

**VSWR :**  $\leq$  1.1:1 (-26.4 dB)

**POLARIZATION:** horizontal (or vertical)

**IMPEDANCE:** 50 Ohm unbalanced

**HALF POWER BEAMWIDTH:**

E-Plane - 86°

H-Plane - 192°

**LIGHTNING PROTECTION:** all metal parts DC grounded

**AVAILABLE VERSIONS AND CODE:**

**Band 110÷170 MHz - Bandwidth:** 6% of working frequency

AST0103335 - N female - max 400W

AST0103336 - DIN 7/16 female - max 1200W

AST0103337 - EIA 7/8" flange - max 1800W

**Band 171÷250 MHz - Bandwidth:** 6% of working frequency

AST0104335 - N female - max 200W

AST0104336 - DIN 7/16 female - max 700W

AST0104337 - EIA 7/8" flange - max 1500W

**Band 251÷360 MHz - Bandwidth:** 6% of working frequency

AST0105335 - N female - max 150W

AST0105336 - DIN 7/16 female - max 500W

AST0105337 - EIA 7/8" flange - max 1000W

**Band 361÷470 MHz - Bandwidth:** 6% of working frequency

AST0106335 - N female - max 100W

AST0106336 - DIN 7/16 female - max 400W

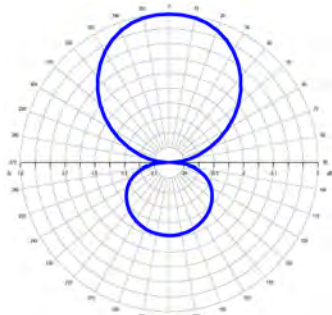
AST0106337 - EIA 7/8" flange - max 800W

**Band 471÷860 MHz - Bandwidth:** 6% of working frequency

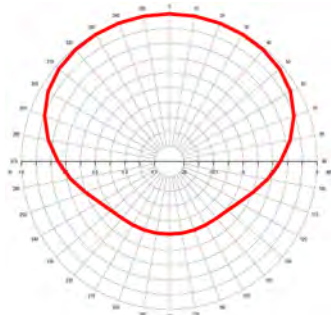
AST0107335 - N female - max 50W

AST0107336 - DIN 7/16 female - max 200W

AST0107337 - EIA 7/8" flange - max 400W



E-Plane



H-Plane

## MECHANICAL FEATURES

**MATERIALS:** antenna in st. steel, bracket and bolts hot dip galvanized steel, components in aluminium, teflon isolators, silicon O-Rings

**MOUNTING:** directly on supporting structure

**MOUNTING BRACKET:** included for  $\varnothing$  60÷114mm. pipe

**TREATMENTS:** hot-dip galvanized bracket, aluminium components military grade MIL-C-5541

**ANTENNA DIMENSIONS:**

in reference to the working frequency

**WEIGHT:** in reference to the working frequency

**WIND SURFACE:** in reference to the working frequency

**WIND LOAD (at 160Km/h and 30° C air temperature):**

in reference to the working frequency

**SURVIVAL WIND:** 160Km/h

**PACKING DIMENSIONS:**

in reference to the working frequency

## AST 01 0x 23x

VHF/UHF  
Links

Antenna a dipolo sintonizzato in acciaio inox. Irradiazione pressoché omnidirezionale. Adatta per sistemi collineari o link punto-punto. Smontabile.

*Half-wave tuned dipole antenna in st. steel. Almost omnidirectional radiation pattern. Suitable for stacked-array antenna system or point-to-point link. Demountable.*

