

ELECTRICAL FEATURES

WORKING BAND: 110÷860 MHz

BANDWIDTH: 5% of working frequency with VSWR \leq 1.22:1

GAIN: 8 dBd (10.2 dBi)

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

POLARIZATION: horizontal (or vertical)

IMPEDANCE: 50 Ohm unbalanced

HALF POWER BEAMWIDTH:

E-Plane - 70°

H-Plane - 53°

LIGHTNING PROTECTION: all metal parts DC grounded

AVAILABLE VERSIONS AND CODE:

Band 110÷170 MHz - Bandwidth: 5% of working frequency

AST0403335 - N female - max 400W (r.m.s.)

AST0403336 - DIN 7/16 female - max 1200W (r.m.s.)

AST0403337 - EIA 7/8" flange - max 1800W (r.m.s.)

Band 171÷250 MHz - Bandwidth: 5% of working frequency

AST0404335 - N female - max 200W (r.m.s.)

AST0404336 - DIN 7/16 female - max 700W (r.m.s.)

AST0404337 - EIA 7/8" flange - max 1500W (r.m.s.)

Band 251÷360 MHz - Bandwidth: 5% of working frequency

AST0405335 - N female - max 150W (r.m.s.)

AST0405336 - DIN 7/16 female - max 500W (r.m.s.)

AST0405337 - EIA 7/8" flange - max 1000W (r.m.s.)

Band 361÷470 MHz - Bandwidth: 5% of working frequency

AST0406335 - N female - max 100W (r.m.s.)

AST0406336 - DIN 7/16 female - max 400W (r.m.s.)

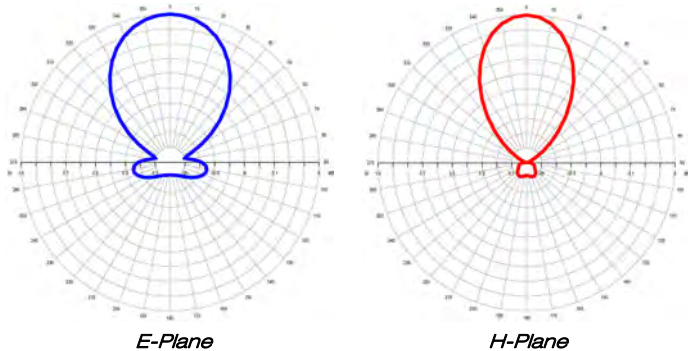
AST0406337 - EIA 7/8" flange - max 800W (r.m.s.)

Band 471÷860 MHz - Bandwidth: 5% of working frequency

AST0407335 - N female - max 50W (r.m.s.)

AST0407336 - DIN 7/16 female - max 200W (r.m.s.)

AST0407337 - EIA 7/8" flange - max 400W (r.m.s.)



E-Plane

H-Plane

MECHANICAL FEATURES

MATERIALS: antenna in st. steel, bracket and bolts in 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 04 0x33x

VHF/UHF Links

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Antenna yagi sintonizzata a 4 elementi in acciaio inox.

Irradiazione direttiva.

Adatta per sistemi collineari VHF & UHF. Smontabile.

Yagi 4 elements tuned stainless steel antenna. Directional radiation pattern.

Suitable for VHF & UHF stacked-array antenna system.

Demountable.

