

ELECTRICAL FEATURES

WORKING BAND: 110÷860 MHz

BANDWIDTH: 4% of working frequency with VSWR ≤ 1.22:1

GAIN: 10 dBd (12.2 dBi)

VSWR: ≤ 1.1:1 (-26.4 dB)

POLARIZATION: horizontal (or vertical)

IMPEDANCE: 50 Ohm unbalanced

HALF POWER BEAMWIDTH:

E-Plane - 59°

H-Plane - 53°

LIGHTNING PROTECTION: all metal parts DC grounded

AVAILABLE VERSIONS AND CODE:

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

AST0603335 - N female - max 400W (r.m.s.)

AST0603336 - DIN 7/16 female - max 1200W (r.m.s.)

AST0603337 - EIA 7/8" flange - max 1800W (r.m.s.)

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

AST0604335 - N female - max 200W (r.m.s.)

AST0604336 - DIN 7/16 female - max 700W (r.m.s.)

AST0604337 - EIA 7/8" flange - max 1500W (r.m.s.)

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

AST0605335 - N female - max 150W (r.m.s.)

AST0605336 - DIN 7/16 female - max 500W (r.m.s.)

AST0605337 - EIA 7/8" flange - max 1000W (r.m.s.)

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

AST0606335 - N female - max 100W (r.m.s.)

AST0606336 - DIN 7/16 female - max 400W (r.m.s.)

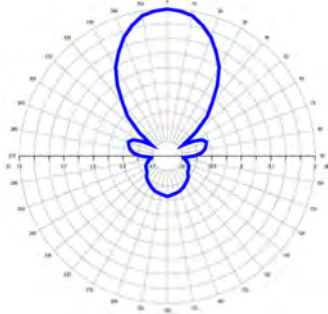
AST0606337 - EIA 7/8" flange - max 800W (r.m.s.)

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

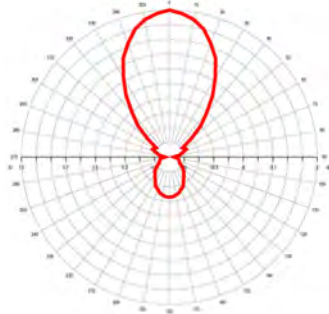
AST0607335 - N female - max 50W (r.m.s.)

AST0607336 - DIN 7/16 female - max 200W (r.m.s.)

AST0607337 - EIA 7/8" flange - max 400W (r.m.s.)



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 Ø 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 06 0x33x

VHF/UHF
Links

Antenna yagi sintonizzata a 6 elementi in acciaio inox.

Irradiazione direttiva.

Adatta per sistemi collineari o link punto-punto. Smontabile.

Yagi 6 elements tuned stainless steel antenna. Directional radiation pattern.

Suitable for stacked-array antenna system or point-to-point link.

Demountable.

