

AS262-2/A

V/UHF 110-500 MHz ANTENNA

110-500 MHz (up to 1.3 GHz in reception only) V-UHF broadband vertical dipole for defense communications, installed on surface ships.



Tx : 110 - 500 MHz nominal frequency range



Rx: 110 kHz

1,3 GHz

TECHNICAL CHARACTERISTICS

- Vertical polarisation
- Radiation pattern : omnidirectional (radiating diagrams below)
- Low Radar Cross Section
- Epoxy glass fibre

ASSOCIATED EQUIPMENTS

- GRP dielectric support 262-2-01-021
- Multicoupler units AM326 and AM346

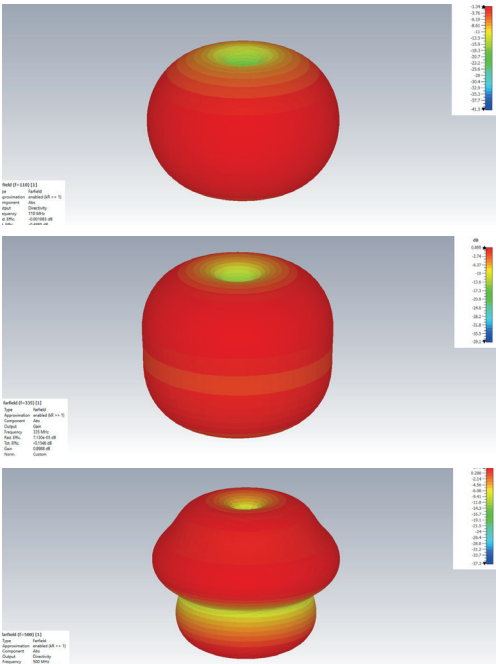
TECHNICAL DATA

SWR	Tx/Rx: 110 - 500 MHz SWR Typ. ≤ 2.2 Rx: 500 - 1300 MHz SWR Typ. ≤ 2.5
Gain	0 dBd
Max. Input power	300 W (110-500 MHz)
Max. diameter	0.32 m
Height / weight	1.18 m / 11 kg

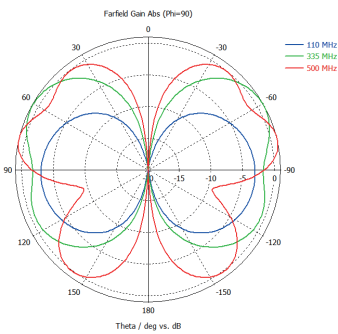
QUALIFICATION TABLE

Shocks	Stanag 4370 AECTP400 (Method 403) - Half-sine Longitudinal/transverse: 9ms 55g; Vertical : 9ms 78g
Vibrations	Stanag 4370 AECTP400 (Method 401) Sweep : 1mm (2-14Hz); 0,8G (14-100Hz) Endurance: 1h at critical frequencies (each axis)
Wind Resistance	180km/h wind force test
Humid heat with solar radiation	Stanag 4370 AECTP300 Ed3 and AECTP200 (Method 302): max 48°C, RH 67%, Solar 1120W/m2
Heat	Stanag 4370 AECTP300 Ed3 and AECTP230 (Method 306): +23°C to +71°C
Cold	NF EN 60068-2-1 : +20°C to -25°C Stanag 4370 AECTP300 Ed3 and AECTP230 (Method 303) : +25°C to -34°C
Ice	Stanag 4370 AECTP300 Ed3 (Method 311) : +25°C to -10°C Ice thickness: 13mm
Rain & Watertightness	Stanag 4370 AECTP300 Ed3 (Method 310) : Wind 18m/s + rain 8mm/min for 25min
Salt fog	Stanag 4370 AECTP300 (Method 309) 2x 24h test (+35°C with min. salt fog concentration 1mg/m3) 2x 24h ambient (25°C & H.R 50%)
EMC	Not concerned
CE Marking	Not concerned

3D RADIATING DIAGRAMS



2D RADIATING DIAGRAM



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