



Shipboard UHF Antenna

AS-390/SRC (UHF)

GSA#: GS-35F-0020R

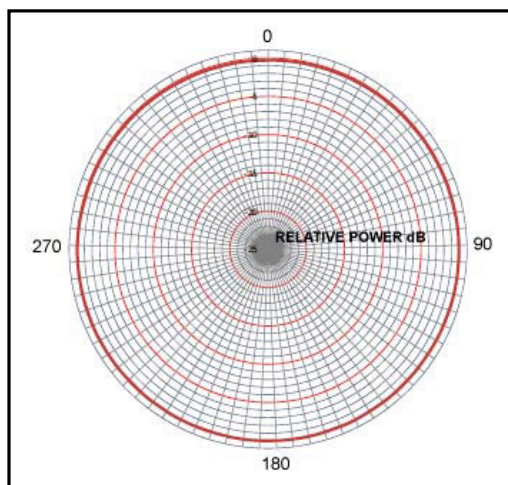
Description

The AS-390/SRC (UHF) is a vertically polarized broadband antenna designed for the UHF communications band. It is designed to withstand the most severe weather conditions. Protection from lightning is provided by grounding the top section of the stub through the stainless steel tie rod to the antenna ground plane.

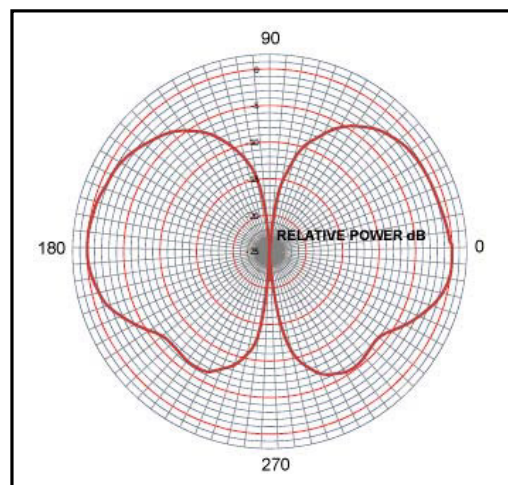
Benefits

- Robust design and construction
- Antenna is pressure tested
- Low profile
- Ingress protection rating IP68
- Heavy duty radials
- Integrated Naval pressure fitting

ANTENNA PATTERNS (AS-390/SRC)



AS-390 (UHF) – AZIMUTH



AS-390 (UHF) – ELEVATION

SHIPBOARD UHF ANTENNA

MODEL AS-390/SRC (UHF)

- Very broadband
- Low VSWR
- Light Weight

TACO Antenna's ongoing policy of continuing development may result in specification changes to its products.

TACO ANTENNA

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SPEC0002_H01

ELECTRICAL SPECIFICATIONS

| | |
|-----------------------|--------------------------------|
| FREQUENCY RANGE | 225-400 MHz |
| GAIN (dBi) | 2.0 (+0 / -1) |
| VSWR (Nom.) | Under 2:1 |
| POLARIZATION | Vertical |
| CROSS POL REJECTION | 20 dB |
| HORIZONTAL PATTERN | Omni Directional within 0.5 dB |
| HPBW | 64° |
| IMPEDANCE | 50 Ohm |
| TERMINAL TYPE | N Female |
| POWER RATING | 700 Watts |
| OPERATING TEMPERATURE | -40° to 176°F (-40° to 80°C) |
| NSN (CAN) | 5985-21-842-2439 |
| NSN (US) | 5985-00-519-9886 |

MECHANICAL SPECIFICATIONS

| | |
|----------------|----------------------|
| OVERALL HEIGHT | 16 in. (40.64 cm) |
| STUB HEIGHT | 9.625 in. (24.45 cm) |
| SKIRT DIAMETER | 23 in. (58.42 cm) |
| WEIGHT | 3.75 lbs (1.7 kg) |
| COLOR | Gray |
| MOUNT | ¾-14 NPS Thread |

WIND LOAD SPECIFICATIONS

| | | |
|-------------|-----------------|---------------|
| WIND AREA | (NO ICE) | 0.20 SQ. FT. |
| | (½" RADIAL ICE) | 0.47 SQ. FT. |
| WIND LOAD | (NO ICE) | 6.0 FT-LBS* |
| | (½" RADIAL ICE) | 4.1 FT-LBS** |
| WIND RATING | | 160 M.P.H.*** |

* Wind Speed = 100 MPH at sea level with 100% Humidity at 70° F.

** Wind Speed = 50 MPH at sea level with 100% Humidity at 0° F.

*** Maximum Wind Speed at sea level with 100% Humidity at 70° F.
Safety Factor of 1.65 included.

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