



PRODUCT INFORMATION SHEET

Component      Antenna

Part Number    ANXX

Image



Description

Frequency range: 530-1710 kHz.

Center-loaded, vertical, whip type antenna. Vertically polarized. Omni directional (0-360). -10 dB gain. 25 watts. Anodized aluminum finish. Adjustable tip for precise tuning.

Mounts: high impact thermoplastic split type, providing 360° support to the antenna; stainless-steel studs, washers and nuts.

Temperature endurance: -40°C. to 85°C.

Wind endurance: 80 miles per hour with ¼" of ice.

Weight of the complete antenna including lower base, loading coil form, mid tip pipe and adjustable stainless steel tip: 5.4 kilograms.

Overall assembled length: varies with frequency, *i.e.*, 297" for 530 kHz, 129" for 1700 kHz.

Tip: .022" wall, 0.500" OD stainless steel tubing, Type 316, Heat 150907; .625" diameter acrylic tip ball.

Mid pipe: 1.050" OD, 0.824" ID, aluminum Type 6063-T832 with 215-R1 black anodized finish (0.8 mil. anodic coating, standard etch).

Base pipe: 6' long, 1.5" OD, 1.3" ID, aluminum Type 6063-T832 with 215-R1 black anodized finish (0.8 mil. anodic coating, standard etch).

Radiation efficiency: 24 mV/m/km; Ref 1KW: (530 kHz) to 110 mV/m/km (1700 kHz). 30' tip height above ground on a 20' metal support pole or tower with 50' 32-element groundplane.

Lower antenna base: aluminum Type 6063-T832 with 215-R1 black anodized finish.

Loading coil: continuous filament glass fabric, Epoxy G-11; enameled close-wound copper wire coil; 30-mil, white vinyl shrink tubing cover.

RF exposure separation: 1 meter minimum recommended at fewer than 1000 watts - both occupational and controlled environments.

*All products described are subject to availability based on manufacturing capacity and shipping dates. While every effort has been made to ensure the accuracy of all information, ISS does not accept liability for any errors or omissions and reserves the right to change information as needed.*

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