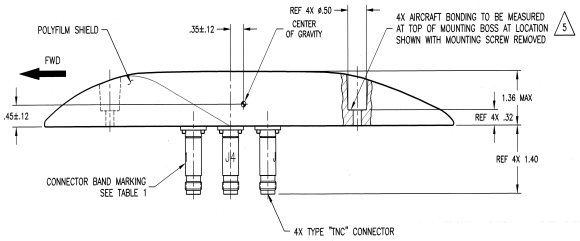
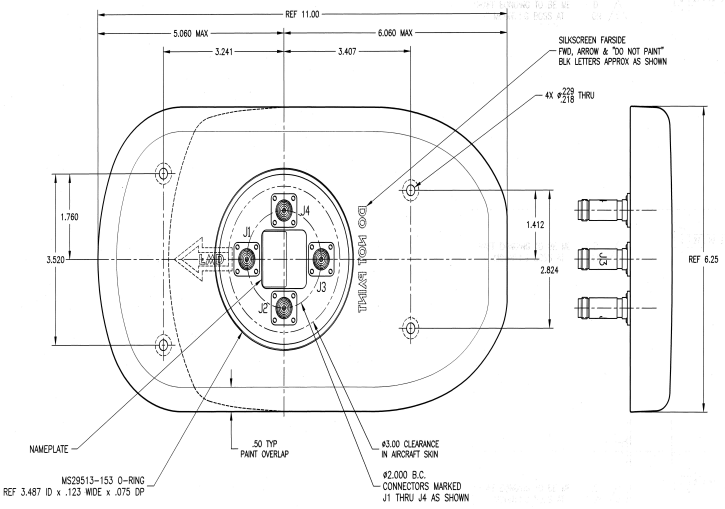
TCAS Antenna S72-1735





Please Note: For REFERENCE ONLY
Contact Sensor Systems for latest drawing

Description

S72-1735: Traffic Collision Avoidance System II (TCAS II) antenna. It is a low-profile antenna with a teardrop radome and leading edge shield. The antenna is DC grounded. It features a directional four element array. Compatible with the Honeywell TCAS systems.

FEDERAL & MILITARY: FAA TSO-C119d, ARINC 735, DO-160B/C/D/G, DO-185B, ED-84, MIL-HDBK-5400, MIL-STD-454N, & MILSTD-810B/D.

Specifications

Electrical	
Frequency	1030 ± 1 MHz 1090 ± 3 MHz
VSWR	≤ 1.5:1
Polarization	Direct. Mode: Vertical
Gain	Direct. Mode: 3.6 dB, 1/4 wave monopole Omni. Mode: -1 ± 1 dB, 1/4 wave monopole
Impedance	50 Ω
Power Handling	1000 W Peak @ 1% Duty Cycle
Sidelobe	Direct. Mode: -8 dB min.
Sector Beamwidth	Direct. Mode: 80° min.
Mechanical	
Weight	27 oz,
Height	1.36 in.
Lenght	11.00 in.
Material	6061-T6 Aluminum Alloy/ Thermoset Plastic
Finish	Skydrol Resistant Polyurethane Enamel
Connector	TNC Female (4)
Environmental	
Temperature	-55°C (-67°F) to +85°C (185°F)
Altitude	55,000 ft.

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