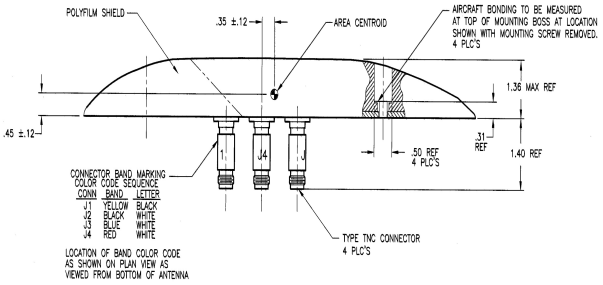
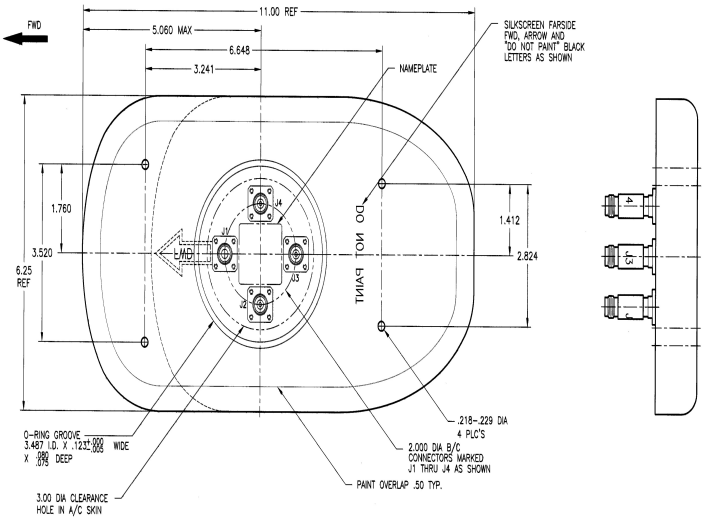
TCAS Antenna S72-1735-26





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

Description

S72-1735-26: Directional 4-element array antenna for Garmin TCAS systems designed for high speed aircraft. The low profile, teardrop-style radome is constructed of special material providing enhanced lightning strike protection. A Polyfilm leading edge shield mitigates erosion and collision damage. TNC female connector (0.71 inches in length). Garmin part number 013-00276-01.

FEDERAL & MILITARY SPECS: FAA TSO-C119b, ARINC 735A-1, RTCA DO-160C, DO-160D, DO-185A, MIL-STD-454, MIL-DTL-5541, GARMIN 013-00276-01

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.
Length	11.00 in.
Width	6.25 in.
Material	6061-T6 Aluminum Alloy/ Thermoset Plastic
Finish	Skydrol Resistant Enamel
Connector	TNC Female (4)
Environmental	
Temperature	-55°C (-67°F) to +85°C (185°F)
Altitude	55,000 ft.

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