

TCAS II S72-1735; S72-1739 ARINC 735



DESCRIPTION

S72-1735: Traffic Collision Avoidance System II (TCAS II). Low profile, teardrop radome with leading edge shield for longer life. Provides lightning strike protection. Directional 4 element array antenna. Available with Honeywell TCAS systems.

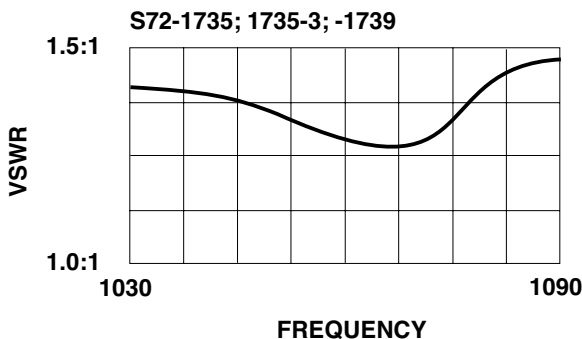
S72-1735-3: Same as S72-1735 except for shorter connectors, .71 inches.

S72-1739: Same as S72-1735 except for eight (8) hole mounting and 110 inch baseplate radius.

S72-1749: Same as S72-1739 except for 146 inch baseplate radius.

FEDERAL & MILITARY SPECS: FAA TSO C119, ARINC 735, DO-160, RTCA DO-185, MIL-C-5541, MIL-STD-454.

PERFORMANCE



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SPECIFICATIONS

	TCAS II		
	S72-1735	S72-1735-3	S72-1739
ELECTRICAL			
Frequency	1030 MHz	1030 MHz	1030 MHz
	1090 MHz	1090 MHz	1090 MHz
VSWR	1.5:1	1.5:1	1.5:1
Impedance	50 ohms	50 ohms	50 ohms
Power	10 watts	10 watts	10 watts
	1000 w/peak	1000 w/peak	1000 w/peak
Directional Mode			
Polarization	Vertical	Vertical	Vertical
Gain	3.6 dB	3.6 dB	3.6 dB
Side Lobe	-8dB	-8dB	-8dB
Sector Beamwidth ..	80° min.	80° min.	80° min.
Omnidirectional			
Gain	1 dB	1 dB	1 dB
MECHANICAL			
Weight	1.70 lbs.		
Height	1.36 in.		
Material	6061-T61 aluminum / thermoset plastic		
Finish	Skydrol resistant enamel		
Connector	TNC		
ENVIRONMENTAL			
Temperature	-67°F to +185°F		
Vibration	10 G's		
Altitude	70,000 ft.		

OUTLINE DRAWING

