

TV AM/FM S65-8282-21



DESCRIPTION

S65-8282-21: Covers TV channels 2 through 13 (VHF), 18 through 79 (UHF); and radio frequencies of AM (190 to 1750 kHz) and FM (88 to 108 MHz). Specifically designed for operation on high-speed aircraft to Mach 1.0. High reliability and service life. Cast aluminum base with stainless steel leading edge and fiberglass trailing edge radome. Hermetically sealed. Helicopter and general aviation application. Bolt pattern interchangeable with Collins 37R-2.

FEDERAL & MILITARY SPECS: FAA TSO C37b and C38b, MIL-STD-810, MIL-E-5400, MIL-A-7772.

SPECIFICATIONS

TV AM/FM
S65-8282-21

ELECTRICAL

Frequency

Radio AM 190-1750 KHz
FM 88-108 MHz

TV Channel (6 MHz Bandwidth)	CH.	FREQ.	CH.	FREQ.
	2	57	9	189
	3	63	10	195
	4	69	11	201
	5	79	12	207
	6	85	13	213
	7	177	18-52	494-704
	8	183	53-79	704-866

Pattern Omni/Az
Cos/EI

Impedance 75 ohms

MECHANICAL

Weight 2.5 lbs.

Height 11.85 in.

Material St. steel / Al-A356-T61 / glass

Finish Skydrol resistant enamel

Connector BNC

Drag 1.0 lb. Mach .85 @ 35,000 ft.

ENVIRONMENTAL

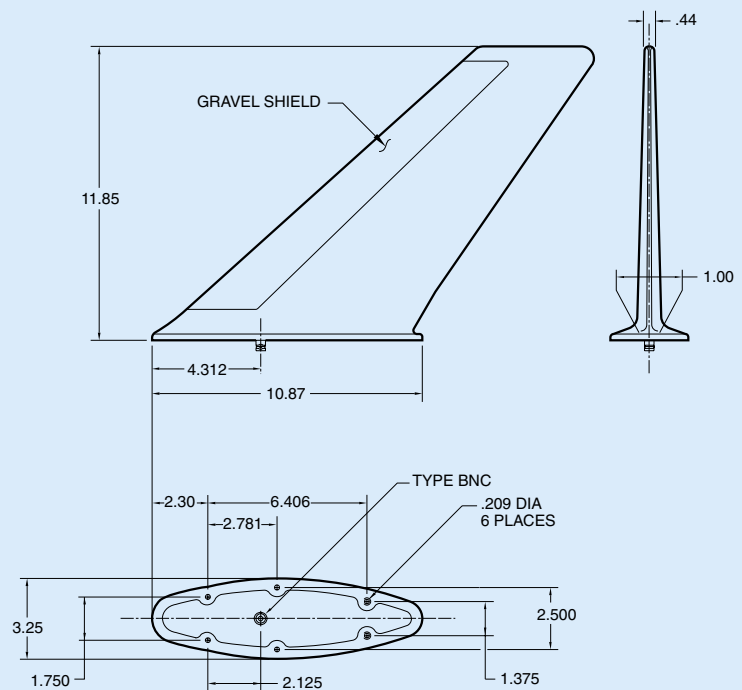
Side Load 6 psi

Temperature -65°F to +160°F

Vibration 10 G's

Altitude 60,000 ft.

OUTLINE DRAWING



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