

DM NI70 DME/ATC TRANSPONDER ANTENNAS

The DM NI70 L-Band antennas offer more than sufficient bandwidth (950 to 1,220 MHz) for use with civil aviation ATC transponders and distance measuring equipment (DME). The antenna provides omnidirectional, vertically polarized coverage when installed on the top, or bottom, of an aircraft. Its streamlined shape assures minimum aerodynamic drag. Structurally, the antenna consists of a single metal element.

SPECIFICATIONS

ELECTRICAL	Frequency Range	960 – 1220 MHz
	VSWR	960 – 1220 MHz 1000 – 1100 MHz
		Less than 1.7:1 Less than 1.5:1
	Gain	Equivalent to a quarter wave stub
	Polarization	Vertical
	Power	2 kW peak
	Radiation Patterns	Omnidirectional
MECHANICAL	dc Resistance	Open Circuited
	Impedance	50 Ohms
	Weight	0.25 lbs
	Connector	DM NI70-1, DM NI70-3 Type C Female DM NI70-2 Type BNC Female
ENVIRONMENTAL	Finish	White
	TSO C66a	ENV. CAT. JAJXXXX
	TSO C74b	ENV. CAT. JAJXXXX
		CAT. II
	Drag, Sea Level at 250 mph	0.5 lbs

Specifications subject to change without notice.

1000-110 (M68)

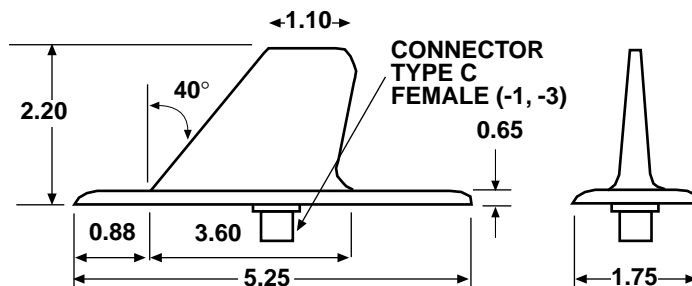
NAVIGATION

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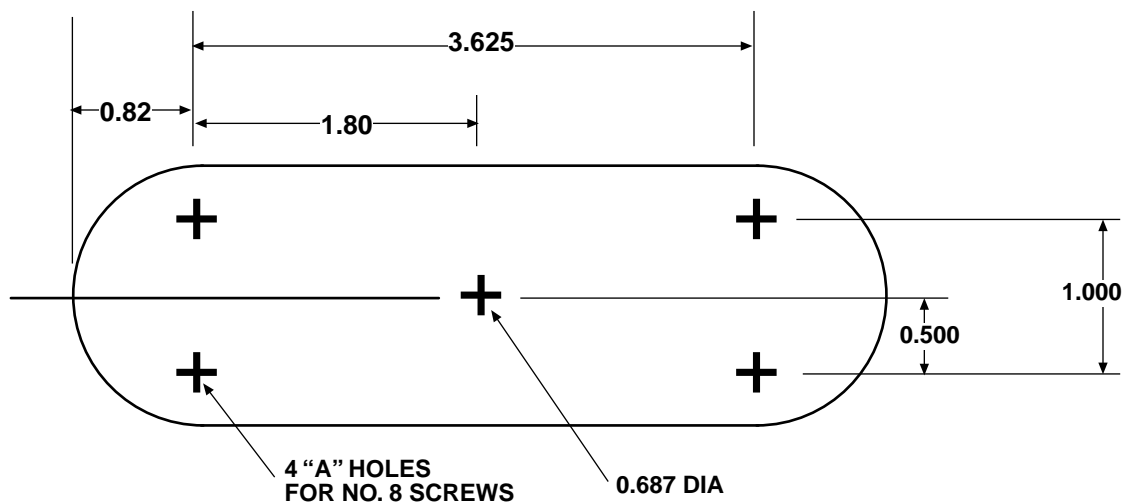
OUTLINE DIMENSIONS

Inches (Centimeters)

**DM NI70-1
DM NI70-2**



MOUNTING HOLE PATTERNS



DM NI70-3

