



PRODUCT DESCRIPTION

Model Number	AT-740/A
Part Number	C74000 / M25707/1-01
NSN	5985-00-673-5831
Market	Military–Air

The AT-740/A Antenna is used for airborne radar interrogation on various fixed-wing aircraft. The antenna is produced to Military Specification MIL-A-25707 and MIL-A-25707/1. The antenna is designed to operate at the extreme temperature range of -67° F to 302° F. The antenna is a flush-mounted, cavity-back slot antenna constructed of aluminum with a fiberglass radome. The antenna has a type BNC sampling probe and is protected by an anodic coating to prevent corrosion.

PRODUCT SPECIFICATIONS

Application	Airborne Radar Interrogation (IFF)
Frequency	960–1220 MHz
Impedance	50 Ohms Nominal
VSWR (Antennas)	1.8:1 Maximum
VSWR (Sample Probe)	1.5:1 Maximum
Polarization	Vertical
Pattern	Omni-Directional
Connector	“HN” Female and “BNC” Female
Max Weight	1 lb.
RF Power Capacity	4 kW Peak/100 Watts Avg.
Gain	-2.0 dBmp
Probe Attenuation	17.5 ± 1.5 dB