



PRODUCT DESCRIPTION

Model Number	AT-741B/B
Part Number	RAM-B-001/M25708/1-01
NSN	5985-00-106-0906
Market	Military–Air

The AT-741B/B Antenna is designed for use with Radar Interrogation. The antenna is constructed from an aluminum casting which is capable of withstanding particle erosion to speeds of up to Mach 2. This antenna is produced to Military Specifications MIL-A-25708 and MIL-A-25708/1 and is qualified environmentally to Military Standard MIL-STD-810. The antenna operates within a temperature range of -67° F to 300° F and can withstand a static load of 15 psi perpendicular to the blade. The antenna is operational to altitudes of 100,000 ft and is finished with a Skydrol resistant lusterless CARC black coating.

PRODUCT SPECIFICATIONS

Application	Tacan, Identification Beacon
Frequency	960–1220 MHz
Impedance	50 Ohms Nominal
VSWR	1.4:1 Maximum (Antenna) 1.5:1 Maximum (Sample Probe)
Polarization	Vertical
Pattern	Omni-Directional
Connector	“HN” Female and “BNC” Female
Max Weight	0.35 lb
RF Power Capacity	4 kW Peak, 0.1 kW Continuous
Gain	-0.5 dBmp
Probe Attenuation	19.0 ± 3.0 dB
Color	CARC Black