



PRODUCT DESCRIPTION

Model Number	AT-1108/ARC
Part Number	SC-D-459388
NSN	5985-01-079-8214
Market	Military–Air

The AT-1108/ARC Antenna is a combined VHF/UHF airborne communications antenna designed for usage airspeeds of less than Mach 1. The antenna housing is fiberglass epoxy, designed to withstand the exposure to sand and dust particles of desert areas and is foam-filled to reduce the effect of extreme temperature changes, extreme humidity, and excessive shock and vibration. The antenna is produced to Military Specification MIL-A-55680 and has continuous operation altitudes of up to 50,000 ft and temperatures between -65° F and 131° F. The antenna can withstand the impact shock of 30g and the steady-state acceleration of 6g. The isolation between the bands is > 40 dB. A gasket for RF shielding and positive sealing is included. The antenna is coated with a Skydrol resistant lusterless CARC black paint.

PRODUCT SPECIFICATIONS

Application	Airborne Communications
Frequency	116–152, 225–400 MHz
Impedance	50 Ohms Nominal
VSWR	3.0:1 Maximum
Polarization	Vertical
Pattern	Omni Directional
Connector	VHF: “BNC” Female UHF: “TNC” Female
Weight	3.5 lbs.
RF Power Capacity	50 Watts Continuous
Gain	-6 dBd Minimum
Color	CARC Black