

JAMMING PRODUCTS

ARA-256

The **ARA-256** is a 3-band antenna with a broadband monopole element designed to operate from 20 MHz to 520 MHz. It has a broadband dipole that operates from 500 MHz to 1000 MHz. The third band uses a broadband bicone to operate from 1000 MHz to 6000 MHz. It is designed in compliance with the STANAG 4370 and MIL-STD-810 environmental specifications. The antenna is mounted in a sealed dielectric radome to offer mechanical stability and isolation from environmental hazards including an Oak Beam impact. The ARA-256 will handle over 150W CW power. This antenna also offers low VSWR. The ARA-256 antenna uses a single spring mount with the NATO four bolt pattern.

SPECIFICATIONS:

Frequency	Port 1: 20 to 520 MHz Port 2: 500 to 1000 MHz Port 3: 1000 to 6000 MHz
Polarization	Linear Vertical
Gain	Port 1: 50 to 520 MHz: -2 dBi nominal Port 2: 0 dBi nominal Port 3: -2 dBi nominal
Impedance	50 Ohms nominal
VSWR	Port 1: 20 to 520 MHz: 3.0:1 nominal Port 2: 1.5:1 nominal Port 3: 2.0:1 nominal
Pattern	Omni in Azimuth
Operating Temperature	-33° to +55°C
Storage Temperature	-40° to +71°C
Power Handling	Port 1: 150 W CW;300W Peak Port 2: 150 W CW Port 3: 1-3 GHz: 100 W CW 3-6 GHz: 50 W CW
Antenna Connectors	N Female (3)
Dimensions	4" diameter x 67" height
Weight	8.2 Kg (18 lbs)
Mounting	Single Spring with NATO four bolt pattern



The data described herein is not subject to licensing under the International Traffic in Arms Regulations (ITAR) 22 CFR Parts 120-130

Antenna Research