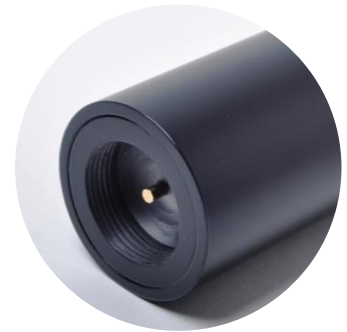




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## CMP SERIES COMMUNICATION ANTENNAS



The ARA **CMP (Conical Monopole) Series** of antennas are suited for low-profile spectrum-surveillance applications. These antennas have the frequency range to cover both the specific full cellular band applications in various configurations and extremely wideband units for general spectrum surveillance applications. Vehicular or fixed-site mounting allows instantaneous signal coverage of the entire band of interest. These are used in harsh environments for long term installations and can be configured with various mounting options.

*The data described herein is subject to licensing under the International Traffic Arms Regulations (ITAR) 22 CFR Parts 120-130. This data sheet has been released into the public domain in accordance with these regulations.*


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## FEATURES

- Tactical Communication Antenna
- Low Profile Form Factor
- Superior RF Performance
- Broad Band Frequency Coverage
- Rugged Design
- Multiple Installation Options
- Made in the USA 

Revised November 2020

### Configurations and Specifications

	<b>CMP-727-NMO</b>	<b>CMP-118-A</b>
Frequency	690 to 3000 MHz, Specification Compliant 600 to 6000 MHz, Operational	1 to 18 GHz
Gain	1 dBi Nominal	0 to 3 dBi
Polarization	Linear Vertical	Linear Vertical
Impedance	50 Ω	50 Ω Nominal
VSWR	2.0 : 1 Nominal	2.0 : 1 Typical
Pattern	Omni Azimuth: 25° Beamwidth in Elevation	Omni Azimuth: >10° Beamwidth in Elevation
Operating Temperature	-30° C to +70° C	-55° C to 125° C
Storage Temperature	-50° C to +85° C	-55° C to 125° C
Power Handling	85 W CW, 250 W Peak	50 W CW Average
Antenna and Cable Connectors	NMO and TNC Male	SMA Female
Antenna Dimensions	1.75" Diameter x 4.0" Height	8" x 2.6" Tall w/ Ground Plate
Mounting	Magnetic Base, 3.2" Diameter	6.0" Bolt Circle of Four #10 Clearance Holes On Mounting Plate

### Additional Models and Configurations

CMP-727-NMO	Antenna Only
CMP-727-NMO-2	Antenna with Mag Mount and 12' TNC to TNC Cable
CMP-727-NMO-201	Type N Connector on Magnetic Base, No Cable Included
CMP-727-NMO-2UF	Comes with 12' Ultraflex Cable
CMP-727-NMO-3UF	Comes with 10' Ultraflex Cable
CMP-727-NMO-4UF	Comes with 15' Ultraflex Cable
ARA-NMO-3	Through Roof Mounting, TNC connector
ARA-NMO-3-20	Through Roof Mounting with 20' Ultraflex Cable
ARA-NMO-3-20-1	Through Roof Mounting with 20' Ultraflex Cable with TNC and N Connector

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