



# CA-1128 SERIES

## VHF/UHF COMPACT MULTICHANNEL ANTENNA

Our standard ultra-high frequency (UHF) L-band blade has been modified to include very high frequency (VHF) performance. New matching techniques have enabled us to obtain higher antenna gains in an 8-inch high antenna package than previous 9-inch antenna designs. This results in increased system range along with decreased drag and weight.

The antenna is composed of a high-strength fiberglass housing and an aluminum base casting to withstand the severe supersonic environment. Integral as well as remote diplexer configurations are available.

The total system is designed, manufactured and tested by L3Harris, a company known for high performance aircraft products throughout the world.

Qualified for A-6, A-10, F-14, F-15, F-16, F-18, F-111 and most other aircraft. Compatible with standard radios for VHF-FM, VHF-AM, DME, IFF, TACAN and ARC 182/186 performance.

| ELECTRICAL      |                            |            |                 |                   |           |            |
|-----------------|----------------------------|------------|-----------------|-------------------|-----------|------------|
| Frequency range | 115–162 MHz<br>225–400 MHz |            |                 |                   |           |            |
| VSWR            |                            |            |                 |                   |           |            |
| VHF             | Band: 2.5:1                |            |                 |                   |           |            |
| UHF             | Band: 3.5:1                |            |                 |                   |           |            |
| Gain            | > 0 dBi                    |            |                 |                   |           |            |
| Polarization    | Vertical, linear           |            |                 |                   |           |            |
| Isolation       | 20 decibels typical        |            |                 |                   |           |            |
| Power handling  | 100 W average              |            |                 |                   |           |            |
| MECHANICAL      |                            |            |                 |                   |           |            |
| Connector       | Type BNC female UG-89      |            |                 |                   |           |            |
| Type            | Length (Nom.)              | Dia. (in.) | Mounting flange |                   |           |            |
|                 |                            |            | Dia. (in.)      | Bolt circle (in.) | No. bolts | Size (in.) |
| CA-1128-1 U/V   | 67"                        | 5.00       | 13.00           | 11.75             | 6         | 0.562      |
| CA-1128-2 U/V   | 125"                       | 5.00       | 13.00           | 11.75             | 6         | 0.562      |
| CA-1128-3 U/V   | 176"                       | 5.00       | 13.00           | 11.75             | 6         | 0.562      |
| CA-1128-4 U/V   | 216"                       | 5.00       | 13.00           | 11.75             | 6         | 0.500      |
| CA-1128-5 U/V   | 252"                       | 5.00       | 13.00           | 11.75             | 6         | 0.500      |
| CA-1128-6 U/V   | 290"                       | 5.00       | 13.00           | 11.75             | 6         | 0.500      |



### KEY FEATURES

- > Multifunction capability in a compact design
- > Can be used on most fixed-wing fighter aircraft
- > Remote diplexer options available to add different functions
- > Ability to withstand several supersonic environments

For further details and specifications, contact the factory at [antenna.info@L3Harris.com](mailto:antenna.info@L3Harris.com)

#### CA-1128 Series VHF/UHF Compact Multichannel Antenna

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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

