

## UHF SATCOM Antenna

The **ARA-27** is a compact helix antenna for UHF SATCOM vehicular communications. The right-hand circular polarized (RHCP) antenna operates in the both the MUOS and legacy UHF bands. This antenna is designed with a NATO mount.

The antenna is available in a durable CARC desert sand, black, or CARC olive drab finish for harsh environments. The antenna meets MIL-STD-810G environmental standards for vibration, shock, operating and storage temperature, and immersion.



### Specifications:

|                              |                      |
|------------------------------|----------------------|
| <b>Gain</b>                  | +4 dBic              |
| <b>Frequency</b>             | 240 to 380 MHz       |
| <b>Polarization</b>          | Right-hand circular  |
| <b>Impedance</b>             | 50 $\Omega$          |
| <b>VSWR</b>                  | <2.0:1               |
| <b>Operating Temperature</b> | -40° to +71°C        |
| <b>Storage Temperature</b>   | -47° to +85°C        |
| <b>Power Handling</b>        | 60 W CW              |
| <b>Antenna Connector</b>     | N Female             |
| <b>Mount</b>                 | Spring on NATO mount |
| <b>Weight</b>                | 11 lbs               |
| <b>Dimensions</b>            | 7" dia x 31" H       |

|                       |  |
|-----------------------|--|
| <b>Antenna Type</b>   | Helical                                  |
| <b>Application</b>    | Military Communications, Military SATCOM |
| <b>Frequency Band</b> | UHF (0.3 to 6 GHz)                       |
| <b>Polarization</b>   | Right-hand circular                      |

### Features

- Rugged and compact design
- Reliable operation in harsh environments
- Available in tan, olive green, or black finish
- Made in the USA

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