



# Multiband Ku/Ka Shipboard Antenna

## Specifications

| Parameter                                 | Performance  |   |
|---|--|---|
| Frequency Range                           | Receive:<br>Ku-band: 10.95-12.75 GHz<br>Ka-band: 20.2-21.2 GHz | Transmit:<br>13.7-14.5 GHz<br>30.0-31.0 GHz |
| Polarization: Ku-band<br>Ka-band          | Receive: H or V<br>LHCP or RHCP                                | Transmit: V or H<br>Transmit: RHCP/LHCP     |
| Ku Polarization Alignment                 | up to 360 °  |   |
| Ku: Cross Polarization<br>Ka: Axial Ratio | ≥ 35 dB<br>< 1dB   |   |
| Isolation                                 | Ku-band TX/RX >70 dB & Ka-band TX/Rx > 90 dB                   |   |
| Power Handling                            | 200 Watts  |   |
| Sidelobe Levels                           | MIL-STD-188-164A   |   |
| G/T                                       | Ku-band: 20.4 dB/K & Ka-band: 23 dB/K                          |   |

### Features:

- Simultaneous Ku/Ka antenna, developed for the NANSEN Frigate upgrade program
- High power capacity
- High efficiency shaped dual reflector

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