

# MULTIBAND X/Ku SHIPBOARD ANTENNA

TEXTRON Systems



## Specifications

| Parameter                       | Performance              |                     |
|---------------------------------|--------------------------|---------------------|
| Frequency Range                 | Receive                  | Transmit            |
|                                 | X-Band: 7.25-7.75 GHz    | 7.9-8.4 GHz         |
|                                 | Ku-Band: 10.95-12.75 GHz | 13.7-14.5 GHz       |
| Polarization: X Band<br>Ku Band | Receive: LHCP/RHCP       | Transmit: RHCP/LHCP |
|                                 | Receive: H/V             | Transmit: V/H       |
| Isolation                       | X-Band TX/RX >110        |                     |
|                                 | Ku-Band TX/Rx > 90       |                     |
| Axial Ratio:                    | X: <1.0dB                |                     |
|                                 | Ku: >30dB                |                     |
| Power Handling                  | X-Band: 1000W            |                     |
|                                 | Ku-Band: 500W            |                     |
| Sidelobe Levels                 | MIL-STD-188-164A         |                     |
| G/T                             | X-Band: 14 dB/K          |                     |
|                                 | Ku-Band: 18 dB/K         |                     |

- MILSATCOM and commercial SATCOM in one antenna
- Simultaneous X/Ku
- High power capacity
- High efficiency shaped dual reflector

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