

Multiband Ku/Ka Shipboard Antenna



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Specifications

Parameter	Performance	
Frequency Range	Receive: Ku-band: 10.95-12.75 GHz Ka-band: 20.2-21.2 GHz	Transmit: 13.7-14.5 GHz 30.0-31.0 GHz
Polarization: Ku-band Ka-band	Receive: H or V Receive: LHCP or RHCP	Transmit: V or H Transmit: RHCP/LHCP
Ku Polarization Alignment	up to 360 °	
Ku: Cross Polarization Ka: Axial Ratio	≥ 35 dB < 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

