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Q20-5
COLLINEAR DIPOLE ARRAY ANTENNA

The Q20-5 is a collinear dipole-array designed for point-to-point data-link systems such as the Tactical Common Data Link.

Unique design features of the Q20-5 include a multilayer polarizing grid integrated into the radome, which allows the vertical, linear dipole elements to receive right-hand circular polarization (RHCP) signals without loss in efficiency. For maximum strength and minimal radio frequency impact, the radome has been fabricated from a quartz-based material and is impact and erosion resistant.

The Q20-5 is provided with a waveguide interface to minimize signal losses associated with coaxial transmission lines.

ELECTRICAL	
Frequency range	14.4-15.5 GHz
VSWR	2.0:1 max
Gain	+6 dBic
Polarization	RHCP
Interface	Per MIL 3922/70-02
Axial ratio	3 dB max
Elevation beamwidth	20° min
Azimuth beamwidth	Omnidirectional
Power handling	+40 dBm
MECHANICAL	
Weight	0.13 lbs max
Size	3.45” x 1.32”
ENIROMENTAL	
MIL-E-5400 qualified **MIL-STD-810**	

KEY FEATURES

- Lightweight
- Low-loss radome
- Erosion and impact resistant
- Waveguide interface

For further details and specifications, contact the factory at antenna.info@L3Harris.com

Q20-5 Collinear Dipole Array Antenna

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.

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