



L3HARRIS™
FAST. FORWARD.

Q173

BROADBAND VEHICULAR ANTENNA

The Q173 Antenna was designed to meet the stringent electrical and mechanical requirements of electronic warfare or communication applications. A broadband antenna aperture is housed within a high-impact radome, which is mounted to a heavy-duty spring assembly. The mounting interface is designed to meet the standard vehicle mount (CECOM dwg A3207507).

The aperture provides directional coverage at the lower very high frequency bands with high gain performance by using an efficient matching network. The upper frequency aperture is comprised of stacked dipole elements located near the top of the assembly avoiding potential blockage by the vehicle. The Q173 uses a proven assembly based on the Q71 JTIDS antenna, which has undergone full environmental testing. The design also incorporates a unique spring damper assembly that prevents the antenna from oscillating after an impact.

ELECTRICAL	
Frequency range	800-2,500 MHz
VSWR	3.0:1
Gain	+8 to +13 dBi peak typical
Pattern	
Azimuth	Forward directional
Elevation	Figure eight
Power handling	140 W
MECHANICAL	
Connector	SMA female
Weight	0.25 lbs max
Finish	CARC color green or desert sand
ENVIRONMENTAL	
Operating temperature	-40° C to +55° C



KEY FEATURES

- > Counter improvised explosive device antenna
- > High band ultra-high frequency through S-band
- > Directional azimuth radiation pattern
- > Power handling up to 140 watts continuous waveform

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

Q173 Broadband Vehicular Antenna

© 2021 L3Harris Technologies, Inc. | 06/2021 | 61100 | EC

Nonexport-controlled Information

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.



L3HARRIS™
FAST. FORWARD

1025 W. NASA Boulevard
Melbourne, FL 32919