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Q182

BROADBAND VEHICULAR ANTENNA

The Q182 antenna was designed to meet the stringent electrical and mechanical requirements of electronic warfare or communication applications. Two broadband antenna apertures are 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 low-frequency aperture provides omnidirectional 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 Q182 uses a proven assembly based on the Q71 Joint Tactical Information Distribution System antenna. The design also incorporates a unique spring damper assembly that prevents the antenna from oscillating after an impact.

ELECTRICAL					
	Q182-1-X			Q182-2-X (internal diplexer)	
	Port 1	Port 2	Port 3	Port 1	Port 2
Frequency range (MHz)	25-100	100-600	600-6,000	25-600	600-6,000
VSWR	3.5:1	3.5:1 100-115 MHz 3.0:1 115-600 MHz	3.0:1	3.5:1	3.5:1
Patterns					
Azimuth	Omnidirectional				
Elevation	Figure eight				
Power handling	50 W	200 W	150 W	250 W	150 W
MECHANICAL					
Connector	N female	TNC female	TNC female	N female	TNC female
Weight	17 pounds				
Finish	-1 desert sand CARC, -2 green CARC				
ENVIRONMENTAL					
Operating temperature	-40° C to +55° C				



KEY FEATURES

- > Suitable for installation on most ground applications
- > Broad frequency coverage
- > Meets vehicular shock and impact requirements
- > Standard vehicular mount interface (CECOM drawing A3207507)

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

Q182 Broadband Vehicular Antenna

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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.



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