



C203-1-1 VHF/UHF/L-BAND ANTENNA

The C203 multi-band antenna provides very high frequency (VHF), ultra-high frequency (UHF) and L-Band performance in a ruggedized package designed for today’s warfighter. The antenna supports SINCGARS, EPLRS, HAVE QUICK and DWTS applications. The UHF output can be split into two sub-bands (225-400 megahertz and 420-450 megahertz) by utilizing the external FM 123-1-1 diplexer. Gain is enhanced at the EPLRS band by the UHF optimizing antenna element.

The antenna is compact in size, only 77 inches tall and 2 inches in diameter tapering to 1 inch at the top. The C203 antenna utilizes a polycarbonate radome which provides overall rigidity and protection for the radiating elements when subject to environmental conditions including the “oak beam” impact tests. The radiating element/radome structure is mounted to a spring assembly design to absorb shock, impact, and vibration.

ELECTRICAL			
	VHF	UHF	L-BAND
Frequency range	30–88MHz	225–450MHz	1350 –1850MHz
VSWR	3.0:1	2.5:1	3.0:1
Gain	-5.0 to +1.0 dBi nominal	-3.0 to +3.0 dBi nominal	2.0 dBi nominal
Impedance	50 Ohms	50 Ohms	50 Ohms
Polarization	Vertical	Vertical	Vertical
Power handling	100 W CW	50 W CW	200 W CW
MECHANICAL			
	VHF	UHF	L-BAND
Connector	BNC female	N female	TNC female
Weight	12 lbs max (5.0 kg)		
Finish	Epoxy CARC color 383 green		
ENVIRONMENTAL			
	VHF	UHF	L-BAND
Operating temp.	-40° C to +65° C		



KEY FEATURES

- > Multiband vehicle antenna
- > Rugged polycarbonate radome
- > Spring mounted

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

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