



**L3HARRIS™**  
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# C144 SERIES VHF/UHF MULTIBAND COMMUNICATION ANTENNA

The C144 Series multiband communication antenna provides omnidirectional coverage for a frequency range of 30-400 megahertz, using fixed tuning. The C144-1 model features a single input covering very high frequency (VHF) and ultra-high frequency (UHF) functions. The C144-5 model includes internal diplexing and provides separate outputs for VHF and UHF functions.

The unique electrical design of the VHF-frequency modulation band results in higher gain than typically expected from a broadband, fixed-tuned antenna of its height in the 30 to 400 megahertz range. The moderate sweep angle design of the C144 antenna provides low drag while maintaining omnidirectional coverage in the upper UHF frequency range.

ELECTRICAL				
	C144-1 Series		C144-5 Series	
Frequency range				
VHF	30 – 88 MHz 108 – 174 MHz		116 – 152 MHz	
UHF	225 – 400 MHz		225 – 400 MHz	
VSWR	30 – 88 MHz	2.6:1	116 – 152 MHz	2.6:1 MAX
	108 – 155 MHz	2.6:1	225 – 400 MHz	2.6:1 MAX
	155 – 174 MHz	2.3:1		
	225 – 400 MHz	2.3:1		
Gain	30 – 88 MHz	-24 to -12 dBi	N/A	
	108 – 174 MHz	-8 to 0 dBi	-116 – 152 MHz	-6 to 0
	225 – 400 MHz	0 to +2.0 dBi	225 – 400 MHz	0 to +2
Impedance	50 ohms		50 ohms	
Polarization	Vertical		Vertical	
Radiation pattern	Typical of a monopole		Typical of a monopole	
Isolation	N/A		20 dB min	
Power handling	40 watts CW		40 watts CW	
MECHANICAL				
Connector				
VHF	40 watts CW		BNC female	
UHF			TNC female	
Weight	2.5 lbs (1.13 kg) max		3.25 lbs max	
Finish	C144-1-1 (white), C144-1-2 (black), C144-1-4 (gray)		C144-5-1 (white)	



## KEY FEATURES

- > Multiband design
- > Integrated diplexer options
- > Rain erosion resistant paint versions
- > Low drag

**For further details and specifications, contact the factory at [antenna.info@L3Harris.com](mailto:antenna.info@L3Harris.com)**

### C144 Series VHF/UHF Multiband Communication Antenna

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