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SE77 SERIES HIGH GAIN YAGI ANTENNA SYSTEM (C122 ANTENNA AND ACCESSORIES)

The SE77 Series satellite communication high-gain yagi antenna systems are designed as the ground antenna link of a ground-to-satellite communication system. The antenna system is designed for rapid deployment (less than three minutes). To ensure ease of mobility of the antenna system, it is configured to be stored in a package less than 36 inches long and approximately 13.5 inches in cross-section. The C122 antenna consists of two yagi arrays, which are located 90 degrees from each other and share the same center axis. Each array consists of five dipoles, which have the proper length and spacing ratio required of an efficient yagi array. The C122-3 Series antenna adds three additional dipole sets for increased gain with a minimum weight increase. This element extension is also available as an option under the part number U113-1. The C122 antenna series provides the extra margin of antenna gain required for secure transmissions.

ELECTRICAL							
Frequency range	240-318 MHz						
VSWR	1.5:1						
Gain	C122-1	C122-1	244-272 MHz				
	C122-2	C122-2	290-318 MHz				
	+9	+9					
	+12	+12					
Impedance	50 ohms						
Polarization	Right hand circular						
3 dB max at dB beamwidth	3 dB max at dB beamwidth						
Power handling	Receive only						
MECHANICAL							
Connector	N male						
Weight	Part no./qty	Antenna	Tripod/1	Carry case/1	Cable/2	Manual/1	Color
34 lbs max	SE77-1/A	C122-1	EM3-1/A	CC1-1	1100025-001	409A00031	Olive drab
34 lbs max	SE77-2/A	C122-2	EM3-2/A	CC1-2	1100025-001	409A00031	Black
37 lbs max	SE77-3-2	C122-3-2	EM3-1/A	CC1-1	1100025-001	409A00031	Olive drab
37 lbs max	SE77-3-3	C122-3	EM3-2/A	CC1-2	1100025-001	409A00031	Black
49 lbs max	SE77-4-1	C122-3	EM3-2/A	CC4-1-1	1100025-001	409A00031	Black
46 lbs max	SE77-5-1	C122-1	EM3-1/A	CC4-1-1	1100025-001	409A00031	Olive drab
46 lbs max	SE77-6-1	C122-2	EM3-2/A	CC4-1-1	1100025-001	409A00031	Black
49 lbs max	SE77-7-1	C122-3-2	EM3-1/A	CC4-1-1	1100025-001	409A00031	Olive drab
Available options	CC4-1-1 hard carrying case U113-1 element extension						



KEY FEATURES

- > Portable high-gain yagi satellite communication antenna system
- > Rapid deployment
- > Compact packaging
- > Multiple configurations available to support secured transmissions

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

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