

C63 SERIES VHF ANTENNA

The C63 Series antennas are very high frequency (VHF) communication antennas designed for high mechanical strength. They come with machine-tapered aluminum alloy radiating elements. These vertically polarized antennas cover the frequency range of 118 - 137 or 138 - 174 megahertz for both transmitting and receiving applications.

The C63-1/A and C63-4/A are designed to be mounted on top of the fuselage. The C63-2 and C63-3/A are low-profile "bentback" radiating element designs for mounting on the bottom of the fuselage. They are well suited for helicopter installations.

All C63 Series antennas are supplied with a gasket and a doubler plate.

ELECTRICAL Frequency range C63-1/A, C63-2/A 118 - 137 MHz C63-3/A, C63-4/A 138 - 174 MHz VSWR C63-1/A 2.0:1 C63-2 3.0:1 C63-4/A 3.0:1 Gain Equivalent λ/4 stub Impedance 50 ohms Polarization Vertical Radiation patterns Omnidirectional Connector 50 watts MECHANICAL Connector BNC female Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Per D0160c F2-ABCXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
C63-1/A, C63-2/A C63-3/A, C63-4/A VSWR C63-1/A C63-2 3.0:1 C63-2/A 3.5:1 C63-4/A 3.0:1 Gain Equivalent λ/4 stub Impedance 50 ohms Polarization Vertical Radiation patterns Connector 50 watts MECHANICAL Connector BNC female Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	ELECTRICAL	
C63-3/A, C63-4/A 138 - 174 MHz VSWR 2.0:1 C63-1/A 2.0:1 C63-2 3.0:1 C63-3/A 3.5:1 C63-4/A 3.0:1 Gain Equivalent λ/4 stub Impedance 50 ohms Polarization Vertical Radiation patterns Omnidirectional Connector 50 watts MECHANICAL Connector BNC female Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	Frequency range	
VSWR C63-1/A C63-2 3.0:1 C63-3/A 3.5:1 C63-4/A 3.0:1 Gain Equivalent λ/4 stub Impedance 50 ohms Polarization Vertical Radiation patterns Omnidirectional Connector 50 watts MECHANICAL Connector BNC female Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	C63-1/A, C63-2/A	118 - 137 MHz
C63-1/A C63-2 3.0:1 C63-3/A 3.5:1 C63-4/A 3.0:1 Gain Equivalent λ/4 stub Impedance 50 ohms Polarization Vertical Radiation patterns Omnidirectional Connector 50 watts MECHANICAL Connector BNC female Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	C63-3/A, C63-4/A	138 - 174 MHz
C63-2 C63-3/A 3.5:1 C63-4/A 3.0:1 Gain Equivalent λ/4 stub Impedance 50 ohms Polarization Radiation patterns Omnidirectional Connector 50 watts MECHANICAL Connector BNC female Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	VSWR	
C63-3/A C63-4/A 3.0:1 Gain Equivalent λ/4 stub Impedance 50 ohms Polarization Vertical Radiation patterns Omnidirectional Connector 50 watts MECHANICAL Connector BNC female Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	C63-1/A	2.0:1
C63-4/A Gain Equivalent λ/4 stub Impedance 50 ohms Polarization Radiation patterns Connector 50 watts MECHANICAL Connector BNC female Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	C63-2	3.0:1
Gain Equivalent λ/4 stub Impedance 50 ohms Polarization Vertical Radiation patterns Omnidirectional Connector 50 watts MECHANICAL Connector BNC female Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	C63-3/A	3.5:1
Impedance 50 ohms Polarization Vertical Radiation patterns Omnidirectional Connector 50 watts MECHANICAL Connector BNC female Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	C63-4/A	3.0:1
Polarization Vertical Radiation patterns Omnidirectional Connector 50 watts MECHANICAL Connector BNC female Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	Gain	Equivalent λ/4 stub
Radiation patterns Connector 50 watts MECHANICAL Connector BNC female Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	Impedance	50 ohms
Connector 50 watts MECHANICAL Connector BNC female Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	Polarization	Vertical
MECHANICAL Connector BNC female Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	Radiation patterns	Omnidirectional
Connector BNC female Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	Connector	50 watts
Weight 0.49 lbs. Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	MECHANICAL	
Finish Gloss white ENVIRONMENTAL TSO Sea level, mach 0.5	Connector	BNC female
ENVIRONMENTAL TSO Sea level, mach 0.5	Weight	0.49 lbs.
TSO Sea level, mach 0.5	Finish	Gloss white
	ENVIRONMENTAL	
Per D0160c F2-ABCXXXXXXXXXXXXXXX	TSO	Sea level, mach 0.5
	Per D0160c	F2-ABCXXXXXXXXXXXXXXX



KEY FEATURES

- > High-strength tapered whips
- > Low cost
- > Lightweight
- > Gasket and doubler plate provided

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

C63 Series VHF Antenna

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