

Model COM237 SERIES Communication Antenna

The COM237 is a two port, vertically polarized, omni-directional antenna designed to meet the rigorous environmental and mechanical requirements of the US Military. The COM237 is capable of mounting on the OE-254, QEAM® and Contact Corporation® telescopic CAES masts by using our optional mast adapter. The antenna radiates an omni-directional pattern in the azimuth plane and a figure eight pattern in the elevation plane. Maximum power is directed toward the horizon.



FEATURES:

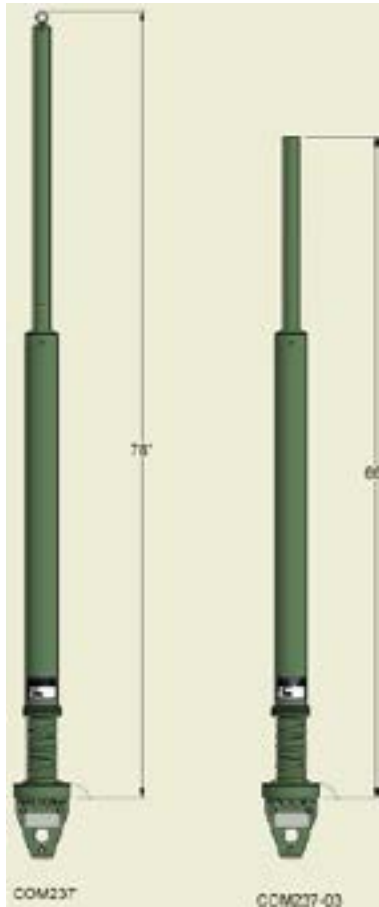
- The COM237 enables robust wideband communications in the 30-88 MHz and 112-512 MHz frequency bands
- Designed for 200 Watts of CW power
- VSWR: 3.0:1 typical
- No active tuning required
- Designed for use on vehicles traveling at speeds up to 50 mph
- Total weight is approximately 16 lbs
- Color is CARC Green 383
- High voltage (20,000 volts RMS) protection
- Lightning strike protection according to MIL-STD-464

MODELS AND HEIGHTS

- COM237 Vehicle Mount : 78" overall height
- COM237-03 Low Profile Vehicle Mount : 66" overall height
- COM237-01 Ground/Mast Mount : 111" deployed height



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ELECTRICAL SPECIFICATIONS

FREQUENCY:	• 30-88 MHz	112-512 MHz
GAIN:	• -6 dBi typical	-5 dBi typical
VSWR:	• 3.0:1 typical	
IMPEDANCE:	• 50 ohms	
POWER:	• 200 W (CW) average	
POLARIZATION:	• Vertical	
PATTERN:		
AZIMUTH:	• Omnidirectional	
ELEVATION:	• Figure Eight	
RF CONNECTORS:	• Two Type N connectors	
ADAPTORS:	• Type N (F) to BNC (F) straight	
	• Type N (F) to BNC (M) 90°	

MECHANICAL SPECIFICATIONS

ELEMENT HEIGHT:	• 68.6"
ELEMENT DIAMETER:	
UPPER:	• 1.7"
LOWER:	• 3.2"
TOTAL HEIGHT:	• 78"
OPERATING TEMPERATURE:	• -40° to +60°C
FINISH:	• Epoxy CARC Green 383



A: COM237-01

B: COM237-01 with Optional Diplexer Kit

