



High Power, Omni, Horizontally Polarized C-Band Antenna

P/N: 2.3R-5.0-6.0H-XN-2-COB-6kW (5.0-6.0 GHz)

Other Frequencies, Polarizations, Mounting and Connectors Are Available



ISO 9001:2008/FAA Approved Facility

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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Top View: Diameter $\phi 2.290$ [58.17]

Side View: Height 2.185 [55.50]

Connector View: O.D.: $\phi 1.001$ [25.43], I.D.: $\phi 0.751$ [19.08], .400 DEEP GROOVE FOR 1 IN. PIPE MOUNT, 4X 10-32 UNF .20 DEEP ON .884 RAD., 4X 4-40 UNC .20 DEEP ON .884 RAD., O-RING, P/N: 568A-025

SPECIFICATIONS

ELECTRICAL:	
FREQUENCY:	C-Band (5.0-6.0) GHz
PATTERN:	OMNIDIRECTIONAL
POLARIZATION:	HORIZONTAL
ANTENNA GAIN:	3 dB
3dB BEAMWIDTH, Elevation:	50 Deg.
3dB BEAMWIDTH, Azimuth:	360°
VSWR:	2.0:1
OUTPUT IMPEDANCE:	50 Ω
POWER HANDLING:	6 KW Peak

MECHANICAL:	
SIZE:	DIAMETER: 2.29 in. [58.17 mm] HEIGHT: 2.185 in. [55.58 mm]
WEIGHT:	6.52 oz. (185 g)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441F NATURAL TEFLON WHITE
COLOR:	NATURAL TEFLON WHITE
MATERIAL:	6061-T6 ALUMINUM ALLOY BASE TEFLON RADOME, UV, ABRASION AND SKYDROL RESISTANCE
CONNECTOR:	N FEMALE CONNECTOR

ENVIRONMENTAL:	
TEMPERATURE:	-85°F TO +185°F [-65°C TO +85°C]
ALTITUDE:	70,000 ft.
VIBRATION:	10 G's
LEAKAGE:	HERMETICALLY SEAL

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

ACCEPTANCE TEST PROCEDURE: ATP-GPS-L1L2-100

FREQUENCY:	POLARIZATION:	LNA:
Ku: (14-16) GHz	GSM: (810-960) MHz	R: RHCP
X: (8-12) GHz	QB: (0.810-2.5) GHz	L: LHCP
C: (5.0-6.0) GHz	WB: (0.810-5.9) GHz	V: VERTICAL
24: (2.4-2.5) GHz	UB: (0.40-0.810) GHz	H: HORIZONTAL
L: (1.6-2.0) GHz		
X,XX-Y,YY: (X,XX-Y,YY) GHz		

DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO
1 O-RING	568A-025, Item 553-025	-	-	1

P/N: 2.3R-5.0-6.0H-XN-2-COB-6kW

CABLE'S LENGTH:	UHF/Other-Band CON.	COLOR:
X: NO CABLE	S: SMA; C: SMA	1: GLOSS WHITE #17925 PER FED-STD-595B
II: WITH MAG. MOUNT	M: MMCX; N: N; MMCX	2: LUSTERLESS GRAY #36320 PER FED-STD-595B
#: CABLE LENGTH (IN)	N: N-Bulkhead	3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T, TB: TNC, TNC-Bulkhead	4: LUSTERLESS BLACK #37038 PER FED-STD-595B

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	ANTCOM CORP. TORRANCE CALIFORNIA
ORIGINAL DRAWN: S. HUYNH April-26-10	<h3>OMNI C-BAND ANTENNA</h3>
ORIGINAL DESIGNED: S. HUYNH April-28-10	
UPDATED: S. HUYNH Dec-08-14	
UPDATING DRAWN: P. TRAN Dec-08-14	
APPROVED: S. HUYNH Dec-08-14	<p>SCALE 1/1</p> <p>SHEET 1 OF 1</p>

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

NMO Connector Option is Now Available for Some Antennas