Other Frequencies, Antenna Sizes, Connectors/Locations, and Mounting Configurations are Available

NMO Connector Option is Now Available for Some Antennas

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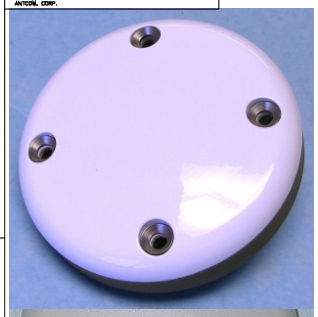
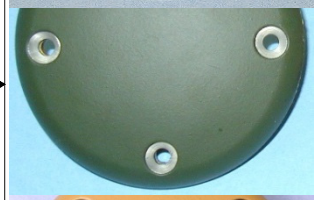
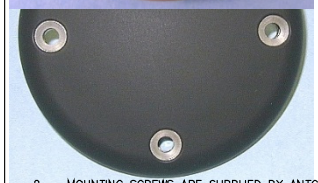
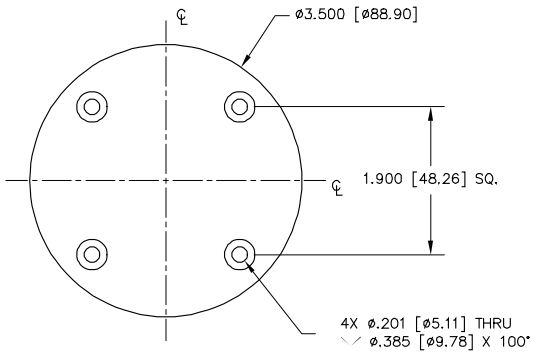
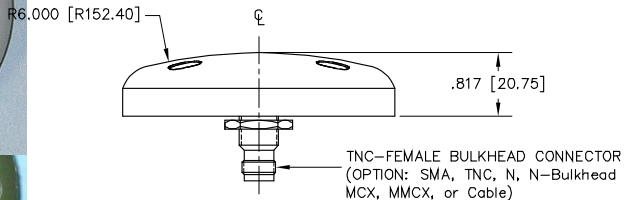
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	HEIGHT	10/06/16	S.H

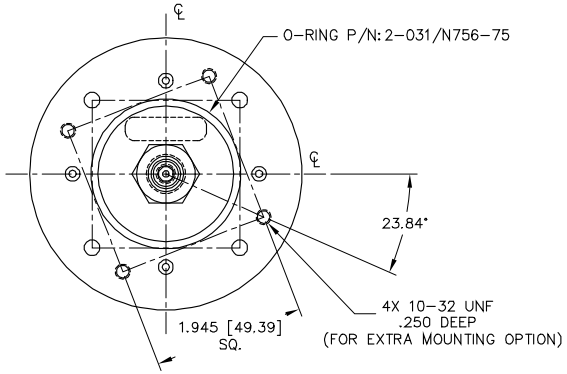












SPECIFICATIONS

ELECTRICAL:

RADIATION PATTERN:	HEMISPHERICAL	
POLARIZATION:	RHCP	
VSWR:	< 1.5:1	
GAIN (dB):	4 ft G.P.	Free Space
@ 90° (Zenith):	+4.6	+6.1
@ 10° Elevation (Ave):	-1.1	-2.4
@ 20° Elevation (Ave):	+2.2	-0.3
@ 30° Elevation (Ave):	+2.2	+1.0
@ 45° Elevation (Ave):	+3.4	+2.9
@ 70° Elevation (Ave):	+4.4	+5.3
Beam Width (3dB):	110 °	88 °
AXIAL RATIO @ Zenith:	2.0 dB	
IMPEDANCE:	50 Ohms	
POWER HANDLING:	200 Watt	
DC GROUNDING:	YES (LIGHTNING PROTECTION)	

MECHANICAL:

SIZE: DIAMETER = 3.50 in.[88.90 mm]
HEIGHT = 0.817 in. [20.75 mm]
WEIGHT: 5.15 oz. (.146 Kg)
FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
BASE IRIDITE PER MIL-C-5441F
COLOR: GLOSS WHITE #17925 PER FED-STD-595B
LUSTERLESS GRAY #36320 PER FED-STD-595B
OLIVE DRAB GREEN #34031 PER FED-STD-595B
LUSTERLESS BLACK #37038 PER FED-STD-595B
MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, AND SKYDROL RESISTANCE, FIRE RETARDANT
CONNECTOR: TNC-FEMALE BULKHEAD
(OPTION: SMA, TNC, N, N Bulkhead, MCX, MMCX, or Cable)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]
ALTITUDE: 70,000 ft.
VIBRATION: > 30 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

SIZE:	(START - END) FREQ.	POLARIZATION:	LNA:	FILTER:
1: 2" SQ.	1.25 - 1.35 GHz	LL: LHCP	A1: WITH +23 dB LNA	
1.9: 1.9" SQ.	1.35 - 1.45 GHz	RR: RHCP	A2: WITH +43 dB LNA	
2: 2.6" DIA.	2.00 - 2.30 GHz		P: WITHOUT LNA	
3: 3.5" DIA.	2.20 - 2.40 GHz			
4: MINI ARINC	2.40 - 2.50 GHz			
	X.XX - Y.YY GHz			

P/N: 3GX.XX-Y.YYRR-P-XTBC-1

CABLE'S LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
#: CABLE LENGTH (IN)	N, NB: N, N-Bulkhead	-3: CAMO GREEN #34094 PER FED-STD-595B
R: RIGHT ANGLE CON.	T, TB: TNC, TNC- Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
		-5: TAN #33446 PER FED-STD-595B

ITEM NO	QUANTITY REQD	DESCRIPTION	PART NO	MATERIAL	FINISH
3		MOUNTING SCREWS: 10-32, 1.5"	MS24693C280	-	-
2		O-RING	2-031/N756-75	-	-
1	-2 -1	PARTS LIST			

2. MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION
1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
NOTES: UNLESS OTHERWISE SPECIFIED:

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ± 1/64, DECIMALS .XXX ±.010, .XXXX ±.005, ANGLES ± 1°
TOLERANCE SYM PER ANSI Y14.5
REMOVE ALL BURRS. BREAK EXTERNAL EDGES .005 TO .015. FILLETS R .005 TO R .030. SCREW THREADS PER MIL-S-8879. DIA'S ON A COMMON ℄ Ø.005
MACHINED SURFACES 125/
DO NOT SCALE DRAWING

ORIGINALLY DRAWN	S. HUYNH	Sep-15-03
ORIGINALLY DESIGNED	S. HUYNH	Sep-15-03
UPDATED	S. HUYNH	Oct-06-16
UPDATE DRAWN	P. TRAN	Oct-06-16
APPROVED	S. HUYNH	Oct-06-16

ANTCOM CORP. TORRANCE, CALIFORNIA

3.5" Dia. FLAT FIXED MOUNT L/S/WIFI ANTENNA

SIZE	CAGE NO	DRAWING NO	REV
D	3CVE1	3GX.XX-Y.YYRR-P-XTBC-1	A

SCALE 1/1 SHEET 1 OF 1