



Active GPS & [Cellular (824-896), (890-960), (824-860), or GSM (1850-1990) MHz] Antennas,

P/N: 3G0815VR-XS-X,

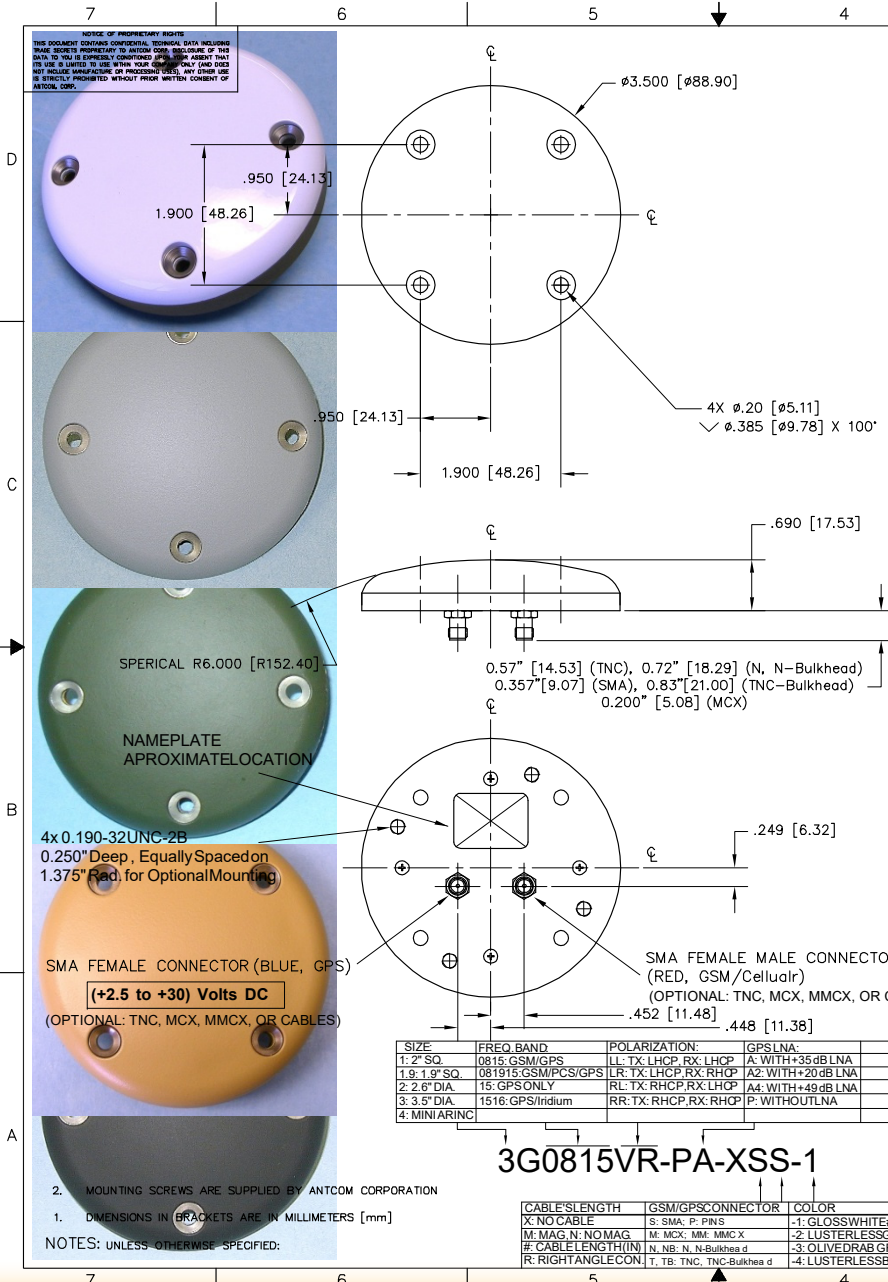
3.5" Diameter Configurations with Additional Back Mounting Option



FAA Approved Facility

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

ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>



REVISIONS		DATE	APPROVED
ZONE	REV	DESCRIPTION	S.H
A		Further Away Connector	Aug-21-08

SPECIFICATIONS		
ELECTRICAL:		
FREQUENCY:	L1: (1575.42 ±12) MHz	GSM/Cellular (824-960) MHz
RADIATION PATTERN:	HEMISPHERICAL	
POLARIZATION:	RHCP	VERTICAL
VSWR:	< 2.0:1	
IMPEDANCE:	50 ohms	
ANTENNAGAIN (dBi):	Free Space	16 in G.P.
@ 90° (ZENITH):	+ 4.6	+ 0.3
@ 10° Elevation	- 2.5	- 3.1
@ 20° Elevation	- 1.1	- 1.1
@ 30° Elevation	+ 0.5	+ 0.9
@ 60 - 90° Elevation	> 3.6	+3.1/+03
BEAMWIDTH(3dB):	103 Deg	120 Deg
AXIAL RATIO	2 dB	
LIGHTNING PROTECTION:	DC GROUNDING	
LNA GAIN:	33 dB	
LNA NOISE FIGURE:	2.2 dB	
LNA P1dB Out:	+13 dBm	
LNA DC POWER:	(2.5-24)V<30mA	
REJECTION@ (-50/+50)MHz	-45 dB / -70 dB	
@ (-100/+100)MHz	< -65 dB	
POWER HANDLING	1 Watt CW	

MECHANICAL:	
SIZE:	DIAMETER: 3.50 in. [88.90 mm] HEIGHT: 0.690 in. [17.53 mm]
WEIGHT:	5.15 oz. (146 g)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441
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:	Tx (Red): SMA FEMALE, Rx (Blue): SMA FEMALE (OPTIONAL: PINS, TNC, MCX, MMCX, OR CABLES)
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, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

QTY	DESCRIPTION	PART NO	REF
4	MOUNTING SCREWS: 10-32, 3/4"	J507C1032R12, or 93085A831	5
4	WASHER, CUSTOM C'SINK	3G15P1001-70	3
1	GASKET	3G15P1001-3G	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRACTIONS DECIMALS ANGLES
2 1/64 .0015 .001 2 1'

TOLERANCE 5M PER ANSI Y14.5

DEFINITIONS: DIMENSIONS .005 TO .015 USE 10 TO 100 MAGNIFICATION FOR MIL-C-5541 OR A COMBINATION OF 25 TO 500 MAGNIFICATION SURFACES 12/1

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA

3.5" DIAMETER, FIXED MOUNT GPS/GSM/Cellular ANTENNA

DATE: 01-15-09
DRAWN BY: S. HUYNH
APPROVED BY: D. J. 3CVE1
CAG FILE NO:

SCALE 1/1 SHEET 1 OF 1

NMO Connector is Now Available for Some Antennas