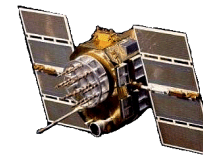




Active L1 GPS Antennas, P/N: 1.5G15A3F-XS-2-R-2832 1.5" Square, Back Mount Configuration Walls Fully Painted



ISO 9001:2008/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>

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SPECIFICATIONS

		REVISIONS		
ZONE	REV	DESCRIPTION	DATE	APPROVED
A		VSWR	06/21/17	S.H

ELECTRICAL:

FREQUENCY:	L1: (1575.42 ±12) MHz		
RADIATION PATTERN:	HEMISPHERICAL		
POLARIZATION:	RHCP		
VSWR:	2:1		
IMPEDANCE:	50 ohms		
ANTENNA GAIN (dBic):	Free Space	16 in G.P.	4 ft G.P.
@ 90 ° (ZENITH):	+ 4.6	+ 0.3	+ 2.9
@ 10 ° Elevation:	- 2.5	- 3.1	- 1.8
@ 20 ° Elevation:	- 1.1	- 1.1	+ 0.7
@ 30 ° Elevation:	+ 0.5	+ 0.9	+ 1.7
@ 60 - 90° Elevation:	> 3.6	+3.1/+0.3	> 2.1
BEAM WIDTH (3dB):	103 Deg.	120 Deg.	146 Deg.
AXIAL RATIO:	2 dB		
LIGHTNING PROTECTION:	DC GROUNDING		

LNA (OPTION):

LNA GAIN:	33 dB
LNA NOISE FIGURE:	2.6 dB
LNA P1dB Out:	+13 dBm
LNA DC POWER:	(3-10) Volts/ 25mA
FILTER:	2-POLE FILTER
POWER HANDLING:	1 Watt CW

MECHANICAL:

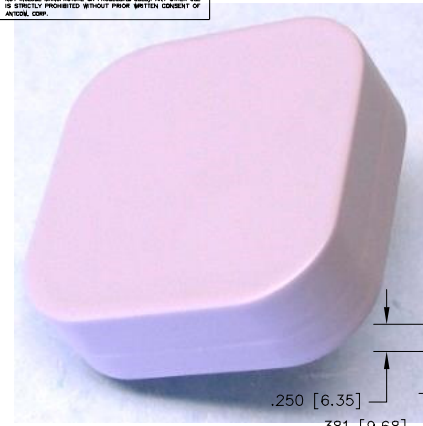

SIZE: 1.57in Square
HEIGHT= 0.631 in. [16.03 mm]
WEIGHT: 1.9 oz. (53.9 g)
FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
BASE IRIDITE PER MIL-C-5441
COLOR: GLOSS WHITE #17925 PER FED-STD-595B
LUSTERLESS GRAY #36320 PER FED-STD-595B
OLIVE DRAB GREEN #34031 PER FED-STD-595B
LUSTERLESS BLACK #37038 PER FED-STD-595B
MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, AND SKYDROL RESISTANCE, FIRE RETARDANT
CONNECTOR: SMA FEMALE
(OPTION: TNC, MCX, SMB, SSMA, SSMB, SSMC, OR CABLE)

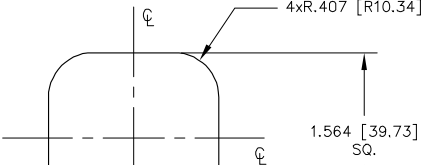
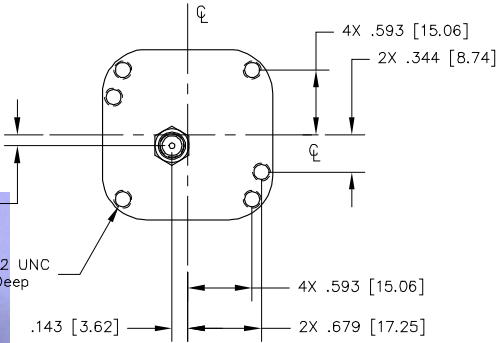
ENVIRONMENTAL:

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

P/N: 1.5G15A3F-XS-X-R-2832

SIZE:	FREQ. BAND:	LNA:
1: 2" SQ.	15: 1575 MHz	A3F: ACTIVE (33 dB LNA GAIN WITH FILTER)
1.5: 1.5" SQ.	16: 1616 MHz	AF: ACTIVE (22 dB LNA GAIN WITH FILTER)
2: 2.6" DIA.		P: WITHOUT LNA
3: 3.5" DIA.		
4: MINI ARINC		

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: MCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
R: CABLE LENGTH (IN)	N: N (Optional Bulkhead)	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T: TNC (Optional Bulkhead)	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

QUANTITY	REQD	DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO
-2	-1	ADHESIVE GASKET	12345G-3M-1.5G, Item 543a	-	-	1

UNLESS OTHERWISE SPECIFIED	ANTCOM CORP.
DIMENSIONS ARE IN INCHES	TORRANCE, CALIFORNIA
FRACTIONS SHALL BE IN 16ths	
± 1/64	
± 1/32	
± 1/16	
± 1/8	
± 1/4	
± 1/2	
± 1	
± 1.5	
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± 99	
± 100	

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

1402-95F2
MADE IN USA

ANTCOM CORP.

1.5" SQ. FLAT MOUNT
ACTIVE L1 GPS ANTENNA

SCALE 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas