



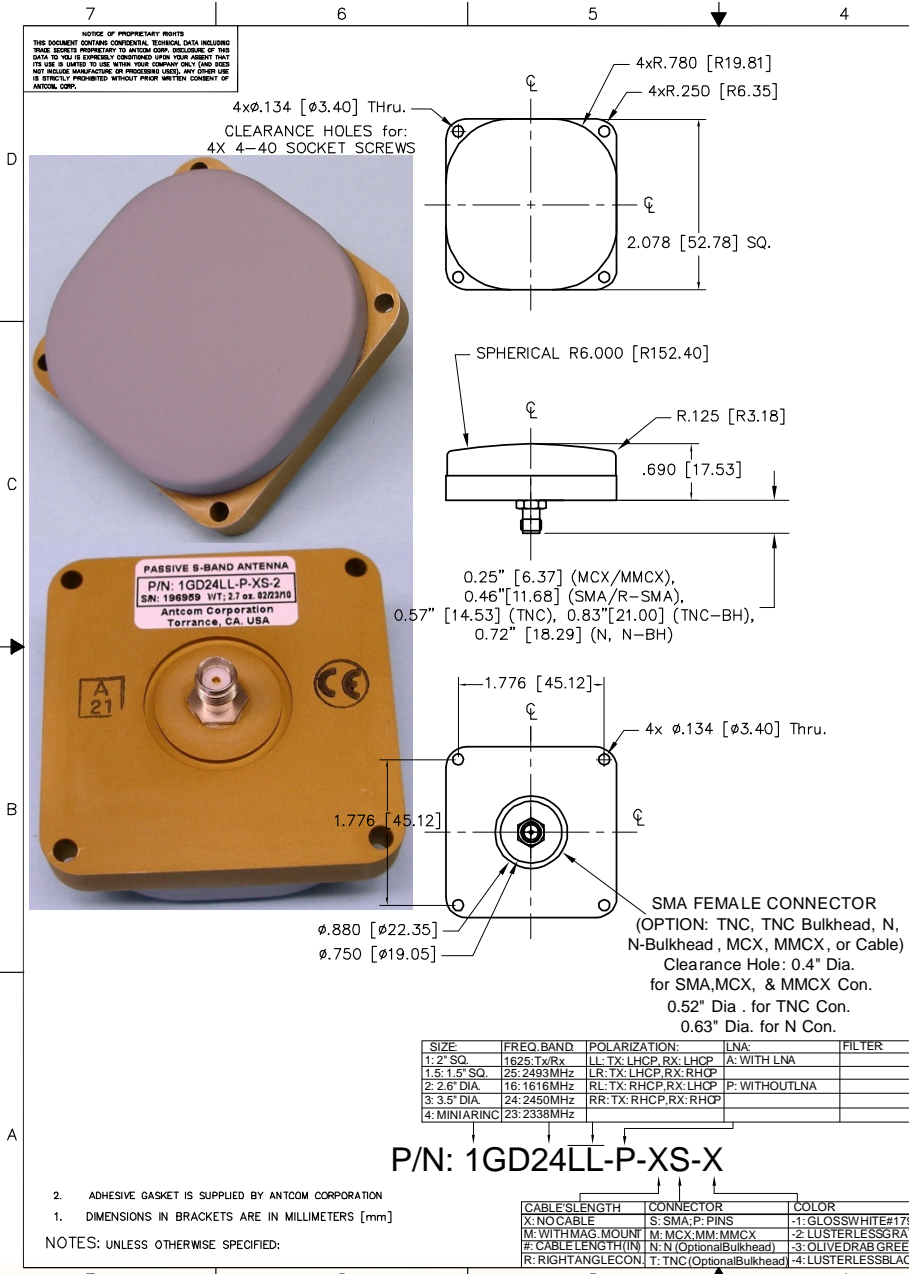
FAA Approved Facility

(1.25-1.35) GHz Antennas, P/N: 1GD1.25-1.35RR-P-XS-1 (RHCP); P/N: 1GD1.25-1.35LL-P-XS-1 (LHCP)  
 (1.35-1.45) GHz Antennas, P/N: 1GD1.35-1.45RR-P-XS-1 (RHCP); P/N: 1GD1.35-1.45LL-P-XS-1 (LHCP)  
 (2.00-2.30) GHz Antennas, P/N: 1GD2.00-2.30RR-P-XS-1 (RHCP); P/N: 1GD2.00-2.30LL-P-XS-1 (LHCP)  
 (2.20-2.40) GHz Antennas, P/N: 1GD2.20-2.40RR-P-XS-1 (RHCP); P/N: 1GD2.20-2.40LL-P-XS-1 (LHCP)  
 (2.40-2.50) GHz Antennas, P/N: 1GD2.40-2.50RR-P-XS-1 (RHCP); P/N: 1GD2.40-2.50LL-P-XS-1 (LHCP)  
 (2.56-2.69) GHz Antennas, P/N: 1GD2.56-2.69RR-P-XS-2 (RHCP); P/N: 1GD2.56-2.69LL-P-XS-2 (LHCP)

Antenna Mounts/Adapters: <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](mailto:antennas@antcom.com) . <http://www.antcom.com>



**ELECTRICAL:**

SPECIFICATIONS		REVISIONS		
ZONE	REV	DESCRIPTION	DATE	APPROVED
FREQUENCY:		(2400 - 2500) MHz		SEE PART NO. BELOW
RADIATION PATTERN:		HEMISPHERICAL		
POLARIZATION:		Vertical/Horizontal		
VSWR:		< 1.5:1		
GAIN (dB):		4 ft G.P.	Free Space	
@ 90° (Zenith):		+4.6	+5.6	
@ 10° Elevation (Ave):		-1.1	-1.4	
@ 20° Elevation (Ave):		+2.2	+0.5	
@ 30° Elevation (Ave):		+2.2	+1.8	
@ 45° Elevation (Ave):		+3.4	+3.1	
@ 70° Elevation (Ave):		+4.4	+5.4	
BEAM WIDTH(3dB):		110°	+100°	
IMPEDANCE:		50 Ohms		
POWER HANDLING:		200 Watt		
DC GROUNDING		YES (LIGHTNING PROTECTION)		

**MECHANICAL:**

SIZE: LENGTH: 2.080 in. [52.78 mm], WIDTH: 2.080 in. [52.78 mm]  
 HEIGHT: 0.690 in. [17.53 mm], 0.58" [14.73] (Optional for Passive)

WEIGHT: 2.88 oz. (82 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL  
 BASE IRIDITE PER MIL-C-5441

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE  
 COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE, AND FIRE RETARDANT

CONNECTOR: SMA FEMALE  
 (OPTION: TNC, TNC-Bulkhead, 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

ACCEPTANCE TEST PROCEDURE: ATP-GPS-L1L2-100

QUANTITY	REV	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1		ADHESIVE GASKET	12345G-3M-1G				5
1							2
1							1
-2	-1						

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES  
 FRACTIONS: DECIMALS: ANGLES  
 ± 1/64 .005 .005 ± 1°

TOLERANCE SURF PER ANSI Y14.5

REWORK ALL SURFES  
 REPAIR EXTERNAL EDGES .005 TO .015  
 REWORK ALL SURFES  
 REPAIR EXTERNAL EDGES PER MIL-8-8879  
 DRYS IN A CLEAN DRY ROOM  
 MACHINED SURFACES

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA  
 OUTLINE DRAWING  
 802.11  
 ANTENNA

DATE: 08/25/09  
 DRAWN BY: S. YUJIN  
 CHECKED BY: S. YUJIN  
 APPROVED BY: S. YUJIN  
 CAP FILE NO:

FIGURE NO: D13CVE1  
 PART NO: 1GD24LL-P-XS-1  
 SCALE: 1/1  
 SHEET 1 OF 1