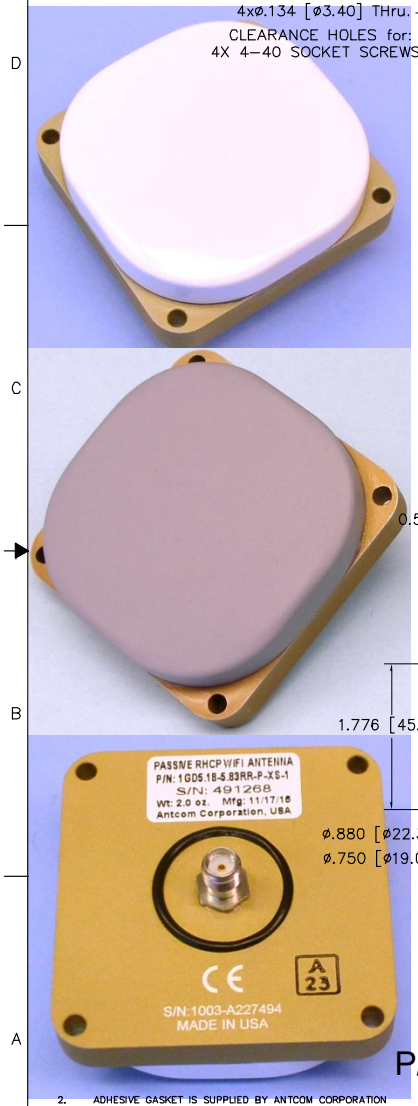
ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . http://www.antcom.com

NOTICE OF PROPRIETARY RIGHTS
THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA INCLUDING TRADE SECRETS PROPRIETARY TO ANTCOM CORP. DISCLOSURE OF THIS DATA TO YOU IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY (AND DOES NOT INCLUDE MANUFACTURE OR PROCESSING USES). ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF ANTCOM, CORP.



SIZE:	FREQ.BAND:	POLARIZATION:	LNA:	FILTER
1: 2" SQ.	1625: Tx/Rx	LL: TX: LHCP, RX: LHCP	A: WITH LNA	
1.5: 1.5" SQ.	25: 2493MHz	LR: TX: LHCP, RX: RHCP		
2: 2.6" DIA.	16: 1616MHz	RL: TX: RHCP, RX: LHCP	P: WITHOUTLNA	
3: 3.5" DIA.	24: 2450MHz	RR: TX: RHCP, RX: RHCP		
4: MINI ARINC	23: 2338MHz			

P/N: 1GD24LL-P-XS-X

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: LUSTER LESS GRAY#36320 PER FED-STD-595B
#: 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: LUSTER LESS BLACK#37038 PER FED-STD-595B

2. ADHESIVE GASKET IS SUPPLIED BY ANTCOM CORPORATION
1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

SPECIFICATIONS

ELECTRICAL:

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

PARTS LIST

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ± 1/64, DECIMALS .XX ± .01, .XXX ± .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 ⌀ .005. MACHINED SURFACES 125. DO NOT SCALE DRAWING.

DRAWN | CHECKED | ENGINEER | APPROVED S. HUYNH Aug-25-09 | CAD FILE NO

ANTCOM CORP. TORRANCE, CALIFORNIA

OUTLINE DRAWING
802.11
ANTENNA

SIZE D | CAGE NO 3CVE1 | DRAWING NO 1GD24LL-P-XS-1 | REV –

SCALE 1/1 | SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas