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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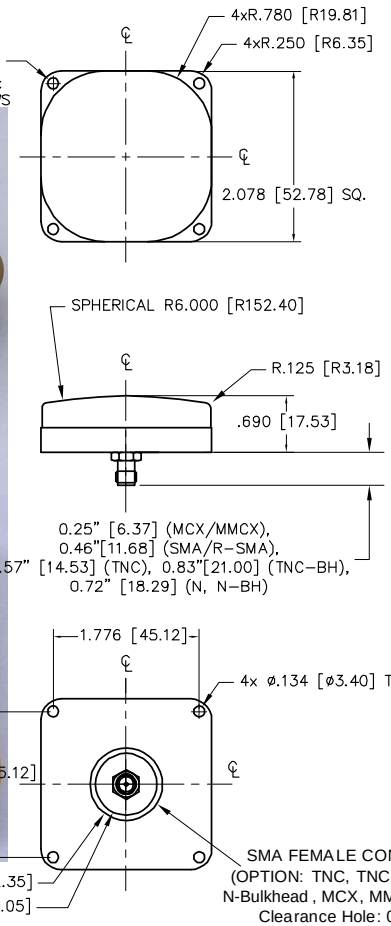

SPECIFICATIONS

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

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

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

QUANTITY REQD — PARTS LIST

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: WITHOUT LNA	
3: 3.5" DIA.	24: 2450MHz	RR: TX: RHCP, RX: RHCP		
4: MINIATURE	23: 2338MHz			

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

CABLE'S LENGTH	CONNECTOR	COLOR
X: NO CABLE	S: SMA; P: PINS	-1: GLOSSY 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: 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

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. TOLERANCES ARE: FRACTIONS ± 1/64, DECIMALS .XX± .015, .XXX± .005, ANGLES ± 1°
TOLERANCE SYM PER ANSI Y14.5
REMOVE ALL BURRS. BREAK EXTERNAL EDGES .005 TO .015. FILLETS R .000 TO R .030. SCREW THREADS PER MIL-S-8879. DIA'S ON A COMMON Ø .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