



ISO 9001:2008/FAA Approved Facility

GSM (810-996MHz) Antenna: P/N: 2BGSMV-P-XT-1  
 WIFI (2.4-2.5GHz) Antenna: P/N: 2BG24V-P-XT-1  
 Quad Band (0.810-2.5GHz) Antenna: P/N: 2BGQBV-P-XT-1  
 Wide Band (0.810-5.9GHz) Antenna: P/N: 2BGWBV-P-XT-1  
 Wide Band 2 (2.4-5.9GHz) Antenna: P/N: 2BGWB2V-P-XT-1  
 L/S-Band 2 (1.6-2.5GHz) Antenna: P/N: 2BGLSV-P-XT-1

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



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**SPECIFICATIONS**

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

**ELECTRICAL:**

FREQUENCY (GHz):	S-BAND (2400-2500)
RADIATION PATTERN:	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL
VSWR:	2.0:1
IMPEDANCE:	50 ohms
ANTENNA GAIN (dBic):	> 2 dB
LIGHTNING PROTECTION:	DC GROUNDING

**MECHANICAL:**

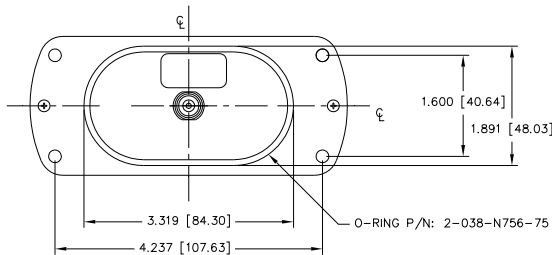
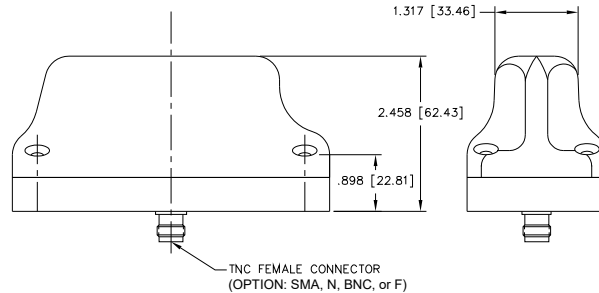
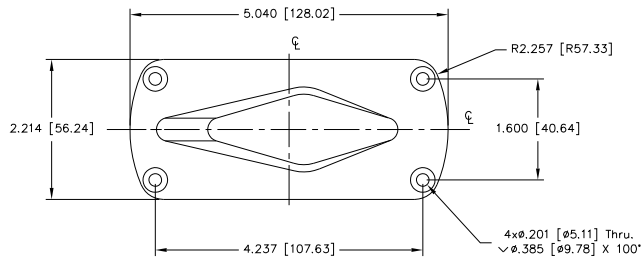
**SIZE:** WIDTH 2.214 in. [56 mm], LENGTH 5.040 in. [128 mm], HEIGHT 2.458 in. [62.4 mm]  
**WEIGHT:** 14.9 oz. (422g)  
**FINISH:** SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5541F  
**COLOR:** LUSTERLESS GRAY #36320 PER FED-STD-595B  
 GLOSS WHITE #17925 PER FED-STD-595B  
 OLIVE 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, SKYDROL RESISTANCE, AND FIRE RETARDANT  
**CONNECTOR:** TNC-FEMALE (OPTION: SMA, N, BNC)  
**MOUNTING:** FLAT FIXED MOUNT; O-RING & 10-32 MOUNTING SCREWS ARE PROVIDED

**ENVIRONMENTAL:**

**TEMPERATURE:** -67°F TO +185°F [-55°C TO +85°C]  
**ALTITUDE:** 70,000 ft.  
**VIBRATION:** 30 G's  
**LEAKAGE:** HERMETICALLY SEALED

**FEDERAL & MILITARY SPECIFICATIONS:**

FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-STD-461E/F, SAE J1455 MIL-E-5400, MIL-I-45208A, MIL-STD-810, MIL-S-901D, MIL-STD-167-1A



SIZE:	Frequency	Other Band	GPS/RX only LNA:	DC BLOCK/LIMITER:
1: 2" SQ.	15: L1 GPS	C: (4.4-5.9) GHz	A2: WITH +20 dB LNA	DL: WITH DC BLOCK
1.9: 1.9" SQ.	1215: L1/L2 GPS	24: (2.4-2.5) GHz	A3: WITH +33 dB LNA	WITH LIMITER
2: 2.8" DIA.	GS: L1/L2 GPS/Glonass	L: (1.6-2.0) GHz	P: WITHOUT LNA	BLANK WITHOUT DC BLOCK NOR LIMITER
3: 3.5" DIA.		L/S: (1.6-2.5) GHz		
4: MINI ARINC		GSM: (810-996) MHz		
		QB: (0.810-2.5) GHz		
		WB: (0.810-5.9) GHz		
		WB2: (2.4-5.9) GHz		

**P/N: 2BG24V-P-XT-1**

CABLE LENGTH:	CON	COLOR:
X: NO CABLE	S: SMA; B: BNC; F: F	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: WITH MAG. MOUNT	M: MMCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
IF: CABLE LENGTH (IN)	N: NIN-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T: TB; TNC; TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

QUANTITY	DESCRIPTION	PART NO	FINISH	ITEM NO.
4	10-32 SCREW, MOUNTING, 1.25in	MS24693-C278	-	2
1	O-RING	2-038-N756-75	-	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	ORIGINAL DRAWN	S. HUYNH	SEP-23-11
FRACTIONS: DENOM. 16	ORIGINAL DESIGNED <td>S. HUYNH <td>SEP-23-11</td> </td>	S. HUYNH <td>SEP-23-11</td>	SEP-23-11
DECIMALS: 0.005, 0.010, 0.015	UPDATER <td>S. HUYNH <td>SEP-23-11</td> </td>	S. HUYNH <td>SEP-23-11</td>	SEP-23-11
ANGLES: ± 1°	UPDATE DRAWN <td>P. TRAN <td>SEP-24-13</td> </td>	P. TRAN <td>SEP-24-13</td>	SEP-24-13
TOLERANCE ALL SURFACES PER ANSI Y14.5	APPROVED <td>S. HUYNH <td>SEP-24-13</td> </td>	S. HUYNH <td>SEP-24-13</td>	SEP-24-13
BREAK EXTERNAL EDGES .005 TO .015	SCALE <td>1/1</td> <td></td>	1/1	
FILED PER ASME Y14.5	DATE <td>3/2016</td> <td></td>	3/2016	
SCREW THREADS PER MIL-S-8879	SHEET <td>1 OF 1</td> <td></td>	1 OF 1	
DIMS ON A COMMON S. OF 100			
MACHINED SURFACES			
DO NOT SCALE DRAWING			

**ANTCOM CORP.** TORRANCE, CALIFORNIA  
**WIFI BLADE ANTENNA**

- 2. O-RING AND MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION
  - 1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
- NOTES: UNLESS OTHERWISE SPECIFIED:

NMO Connector Option is Now Available for Some Antennas