



FAA Approved Facility

**L/S/C-Band Antenna**

P/N: 2.7GR1.7-2.5V-P-MNB-5 (1.7-2.5GHz L/S-Band, BNC, Tan)

P/N: 2.7GR4.4-5.9V-P-MNB-5 (4.4-5.9GHz C-Band, BNC, Tan)

P/N: 2.7GR1.7-5.9V-P-MNB-5 (1.7-5.9GHz L/S/C-Band, BNC, Tan)

Other Frequency Bands, LNA, Connectors, Colors, and No-Magnet Options Are Also Available

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



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**SPECIFICATIONS**

**ELECTRICAL:**

	L/S-BAND	C-BAND	L/S/C-BAND
FREQUENCY:	(1.7 - 2.5 GHz)	(4.4 - 5.9 GHz)	(1.7 - 5.9 GHz)
PATTERN:	OMNIDIRECTIONAL		
POLARIZATION:	VERTICAL		
ANTENNA GAIN :	3 dB		
VSWR:	2.0:1		
OUTPUT IMPEDANCE:	50 Ω		
POWER HANDLING:	>50 watts (without LNA)		
LNA OPTION:	GAIN: 12 dB, NF: 3 dB, OP1dB: +18dB, OIP3: +33dB DC: 12 Volt @ <70mA		

**MECHANICAL:**

SIZE: DIAMETER 2.71 in. [68.81 mm]  
HEIGHT 2.40 in. [60.87 mm]

WEIGHT: <4.94 oz. (140 g)

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

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  
THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE

CONNECTOR: BNC FEMALE  
(OPTION: SMA, QMA, SMB, SMP, BNC, TNC)

**ENVIRONMENTAL:**

TEMPERATURE: -67°F TO +185°F [-55°C TO +85°C]

ALTITUDE: 70,000 ft.

VIBRATION: 10 G's

LEAKAGE: HERMETICALLY SEAL

**FEDERAL & MILITARY SPECIFICATIONS:**

**DESIGN TO:** DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

3X Ø.144 [Ø3.66] THRU ON 2.008" [Ø51.00mm] DIA. 120° APART

BNC FEMALE CONNECTOR (OPTION: SMA, QMA, SMB, SMP, BNC, TNC)

3X FLUSH MAGNET

4X 6-32 UNC .250 DEEP Equally Spaced On 1.153 Rad.

4X 4-40 UNC .250 DEEP Equally Spaced On .884 Rad.

**P/N: 2.7GR1.7-2.5V-P-MNB-5**

FREQUENCY:	LNA:	FEMALE CONNECTOR:	COLOR:
1.7 - 2.5 GHz	A: WITH 12dB LNA	S: SMA; Q:QMA	-1: GLOSS WHITE #17925 PER FED-STD-595B
4.4 - 5.9 GHz	A2: WITH 20dB LNA	SMB: SMP	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
1.7 - 5.9 GHz	P: WITHOUT LNA	T: TNC; B: BNC	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
XX-Y.GHZ			-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
			-5: DESERT TAN #33446 PER FED-STD-595B

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

UNLESS OTHERWISE SPECIFIED	ANTCOM CORP.
DIMENSIONS ARE IN INCHES	TORRANCE, CALIFORNIA
FRACTIONS DECIMALS ANGLES	
1/16 0.015 1°	
1/32 0.005 1/2°	
TOLERANCE SURF PER ANSI Y14.5	
REMOVE ALL BURRS	
BREKES TO FINAL EDGES .005 TO .015	
SCREW THREADS PER MIL-C-8879	
Ø1'S ON A CIRCUM Ø 2P ØDP	
MACHINED SURFACES	
DO NOT SCALE DRAWING	

QTY	DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO
1	MAGNET COVER	Magnet-Cover-3i (Item 541g3i)			2
-1					1

**ANTCOM CORP.**

**2.7GR Omnidirectional Vertically Polarized Antenna**

REV	DATE	DESCRIPTION	BY
D	3CEV1	2.7GR1.7-2.5V-P-MNB-5	SA