



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

**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: SMB	-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 0.0625 15	
1/32 0.03125 15	
1/64 0.015625 15	
0.001 0.001 15	
0.002 0.002 15	
0.005 0.005 15	
0.010 0.010 15	
0.015 0.015 15	
0.030 0.030 15	
0.060 0.060 15	
0.125 0.125 15	
0.250 0.250 15	
0.500 0.500 15	
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5.000 5.000 15	
10.000 10.000 15	
20.000 20.000 15	
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250.000 250.000 15	
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