



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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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
X.X - Y.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:

SPECIFICATIONS

**ELECTRICAL:**

	L/S-BAND (1.7 - 2.5 GHz)	C-BAND (4.4 - 5.9 GHz)	L/S/C-BAND (1.7 - 5.9 GHz)
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

REV	DESCRIPTION	PART NO	MATERIAL	FINISH	TRF NO
1	MAGNET COVER	Magnet-Cover-3i (Item 541g3i)			1

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

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
FRACTIONS TOLERANCES ARE:  
DECIMALS ± 1/64  
DECIMALS ± 0.05  
ANGLES ± 1°

ORIGINAL DRAWN: S. HUYNH, May-17-01  
ORIGINAL DESIGNED: S. HUYNH, May-17-01  
UPDATED: S. HUYNH, Mar-14-13  
UPDATE DRAWN: P. TRAN, Mar-14-13  
APPROVED: S. HUYNH, Mar-14-13

REMOVE ALL BURRS  
BREAK EXTERNAL EDGES .005 TO .015  
CHAMFER .005 TO .015  
DRILL HEADS PER MIL-S-8879  
DAYS ON A COMMON & .250 DEEP  
MACHINED SURFACES ✓

DO NOT SCALE DRAWING

**ANTCOM CORP.** TORRANCE, CALIFORNIA

**2.7GR Omnidirectional Vertically Polarized Antenna**

DATE: 3/20/16  
SCALE: 1/1  
SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas