



FAA Approved Facility

L, S, C-Band Antenna
P/N: 2GR1.7-2.5V-P-MNS-5 (1.7-2.5GHz **L/S**-Band, SMA, Tan)
P/N: 2GR4.4-5.9V-P-MNS-5 (4.4-5.9GHz **C**-Band, SMA, Tan), **P/N: 2GR4.4-5.9V-A-MNS-5** (Active)
P/N: 2GR1.7-5.9V-P-MNS-5 (1.7-5.9GHz **L/S/C**-Band, SMA, 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

ZONE	REV	REVISIONS		
		DESCRIPTION	DATE	APPROVED

$\phi 1.968$ [Ø49.99]
 $\phi 1.000$ [Ø25.40]
 $4 \times \phi .144$ [Ø3.66] THRU
 ON 1.575" [40.00mm] DIA.

2.397 [60.87]
 $.400$ [10.16]

$.860$ [21.83]

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

3X FLUSH MAGNET

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 2.0 in. [50 mm]
 HEIGHT 2.40 [60.87 mm]

WEIGHT: <2.47 oz. (70 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: SMA FEMALE
 (OPTION: BNC, 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

P/N: 2GR4.4-5.9V-P-MNS-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	N: N	N: N	-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:

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

PARTS LIST		ANTCOM CORP. TORRANCE, CALIFORNIA	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES TOLERANCES ARE: ± 1/64 .xxx .015 .xxx .005 ± 1°		ORIGINALLY DRAWN	S. HUYNH May-17-01
TOLERANCE .5M PER ANSI Y14.5		ORIGINALLY DESIGNED	S. HUYNH May-17-01
REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 DRAFTER'S .005 TO .015 .015 .015 .015		UPDATED	S. HUYNH Mar-14-13
MACHINED SURFACES .015		UPDATE DRAWN	P. TRAN Mar-14-13
DO NOT SCALE DRAWING		APPROVED	S. HUYNH Mar-14-13

SCALE 1/1 SHEET 1 OF 1