



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>



ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>

7 6 5 4 3 2 1

NOTICE OF PROPRIETARY RIGHTS
 THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA INCLUDING TRADE SECRETS PROPRIETARY TO ANTCOM CORP. DISCLOSURE OF THIS DATA TO YOU IS EXPRESSLY PROHIBITED UNLESS YOU AGREE THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY (AND DOES NOT INCLUDE MANUFACTURE OR PROCESSING) AND YOUR USE IS EXPRESSLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF ANTCOM CORP.

Ø1.968 [Ø49.99]
 Ø1.000 [Ø25.40]
 4X Ø.144 [Ø3.66] THRU ON 1.575" [40.00mm] DIA.

2.397 [60.87]

.400 [10.16]

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

3X FLUSH MAGNET

Ø.860 [21.83]

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 #34094 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:

1 2 3 4 5 6 7

SPECIFICATIONS

ZONE	REV	REVISIONS		
		DESCRIPTION	DATE	APPROVED

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

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

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 FRACTIONS DECIMALS ANGLES
 ± 1/64 .xxx .015 ± 1°
 TOLERANCE SMI PER ANSI Y14.5
 REMOVE ALL BURRS
 BREAK EXTERNAL EDGES .005 TO .015
 CHAMFER .015 TO .025
 SIZE 8 HEADS PER MIL-S-8878
 DIA'S ON A COMMON & .25/.005
 MACHINED SURFACES .125

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA
 2GR Omnidirectional
 Vertically Polarized Antenna

REV	DATE	BY	CHKD	DRWG NO	PART
D	3CVE1			2GR4.4-5.9V-P-MNS-5	A

SCALE 1/1 SHEET 1 OF 1