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**REVISIONS**

ZONE	REV	DESCRIPTION	DATE	APPROVED

D

C

B

A

**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 2.0 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
XX - YY GHz		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:

**ANTCOM CORP.** TORRANCE CALIFORNIA

**2GR Omnidirectional Vertically Polarized Antenna**

REV	DATE	BY	APP'D
1	May-17-01	S. HUYNH	
2	May-17-01	S. HUYNH	
3	Mar-14-13	P. TRAN	
4	Mar-14-13	S. HUYNH	

SCALE 1/1

SHEET 1 OF 1