






### SPECIFICATIONS

**ELECTRICAL:**

FREQUENCY:	(2.4 - 2.5) GHz
RADIATION PATTERN:	HEMISPHERICAL
POLARIZATION:	RHCP
VSWR:	< 1.5:1
GAIN (dB):	4 ft G.P. Free Space
@ 90° (Zenith):	+4.6 +5.1
@ 10° Elevation (Ave):	-1.1 -2.1
@ 20° Elevation (Ave):	+1.9 -0.3
@ 30° Elevation (Ave):	+2.6 +1.1
@ 45° Elevation (Ave):	+3.0 +2.6
@ 70° Elevation (Ave):	+4.0 +4.6
Beam Width (3dB):	139° 99°
AXIAL RATIO @ Zenith:	2.0 dB
IMPEDANCE:	50 Ohms
POWER HANDLING:	1 Watt

**MECHANICAL:**

SIZE: 1.25In. [31.75 mm] SQ.  
 HEIGHT= 0.407 in. [10.34 mm]  
 WEIGHT: 1.05 oz. (30 g)  
 FINISH: BASE: HARD BLACK ANODIZE PER MIL-A-8625F, TYPE III, CLASS 2  
 RADOME: SKYDROL RESISTANT POLYURETHANE ENAMEL PER FED-STD-595B  
 COLOR: GLOSS WHITE #17925 PER FED-STD-595B  
 LUSTERLESS GRAY #36320 PER FED-STD-595B  
 CAMO GREEN #34094 PER FED-STD-595B  
 LUSTERLESS BLACK #37038 PER FED-STD-595B  
 MATERIAL: 6061-T6 ALUMINUM ALLOY BASE  
 COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, AND SKYDROL RESISTANCE, FIRE RETARDANT  
 CONNECTOR: 9in. CABLE WITH U. FL CONNECTOR  
 (OPTION: QMA, SMA, TNC, SMB, SSMA, SSMC, SSMP, MCX, OR SMP)

**ENVIRONMENTAL:**

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]  
 ALTITUDE: 70,000 ft.  
 VIBRATION: > 30 G's  
 LEAKAGE: HERMETICALLY SEAL

**FEDERAL & MILITARY SPECIFICATIONS:**

**DESIGN TO:** FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

ZONE	REV	DESCRIPTION	DATE	APPROVED
A		ADDED NYLON SHOULDER WASHER	05/22/13	S.H.
B		NO SHOULDER WASHER	09/21/15	S.H.
C		O-RING	01/08/15	S.H.
D		EPOXY POTTED	Jan-21-16	S.H.

SIZE	FREQ. BAND	POLARIZATION	LNA:	FILTER:
1: 2" SQ.	1628; Tx/Rx	A1: WITH +23 dB LNA	LL: TX: LHCP, RX: LHCP	
1.5: 1.5" SQ.	24; 2.450 MHz	A2: WITH +43 dB LNA	LR: TX: LHCP, RX: RHCP	
2: 2.6" DIA.	16; 1616 MHz	P: WITHOUT LNA	RL: TX: RHCP, RX: LHCP	
3: 3.5" DIA.			RR: TX: RHCP, RX: RHCP	
4: MINI ARINC				

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	REV
-2	O-RING	AS568A-025				1

**P/N: 1.2G24P-R-9UFL-4-0.4T-UGDC**

CABLE'S LENGTH:	MALE/PLUG CONNECTOR:	COLOR:
X: NO CABLE	UFL - U. FL	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: WITH MAG. MOUNT	S: SMA; RS: R-SMA; P: PINS; M: MCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
#1: CABLE LENGTH (IN)	MME: MMXX; SME: SSMA; SSMB, SSMC	-3: CAMO GREEN #34094 PER FED-STD-595B
R: RIGHT ANGLE CONN.	SSMP: T, TB: TNC; Subhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
	LARM: Right Angle Male Lemo	-5: DESERT TAN #33446 PER FED-STD-595B

2. MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

UNLESS OTHERWISE SPECIFIED	ANTCOM CORP.
DIMENSIONS ARE IN INCHES	TORRANCE CALIFORNIA
FRACTIONS SHALL BE IN SIXTEENTHS	
DECIMALS SHALL BE TO 1/64	
TELEPHONE SMD PER ANSI Y14.5	
REMOVE ALL BUBBLES	
BREAK EXTERNAL EDGES .005 TO .015	
FILE TO .005 TO .010	
SCREW THREADS PER MILS-8879	
DATA IN A COLUMN 4 OF 1009	
MACHINED SURFACES 1/2	
DO NOT SCALE DRAWING	

DATE	BY	REV
08-08-12	S. HUYNH	1
05-08-12	S. HUYNH	2
01-21-16	S. HUYNH	3
01-21-16	S. HUYNH	4

**ANTCOM CORP.**

1.2" SQ. isolated Ground Wifi Antenna

REV D	3CVE1	1.2G24P-R-9UFL-4-0.4T-UGDC	SHEET 1 OF 1
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NMO Connector is Now Available for Some Antennas