



FAA Approved Facility

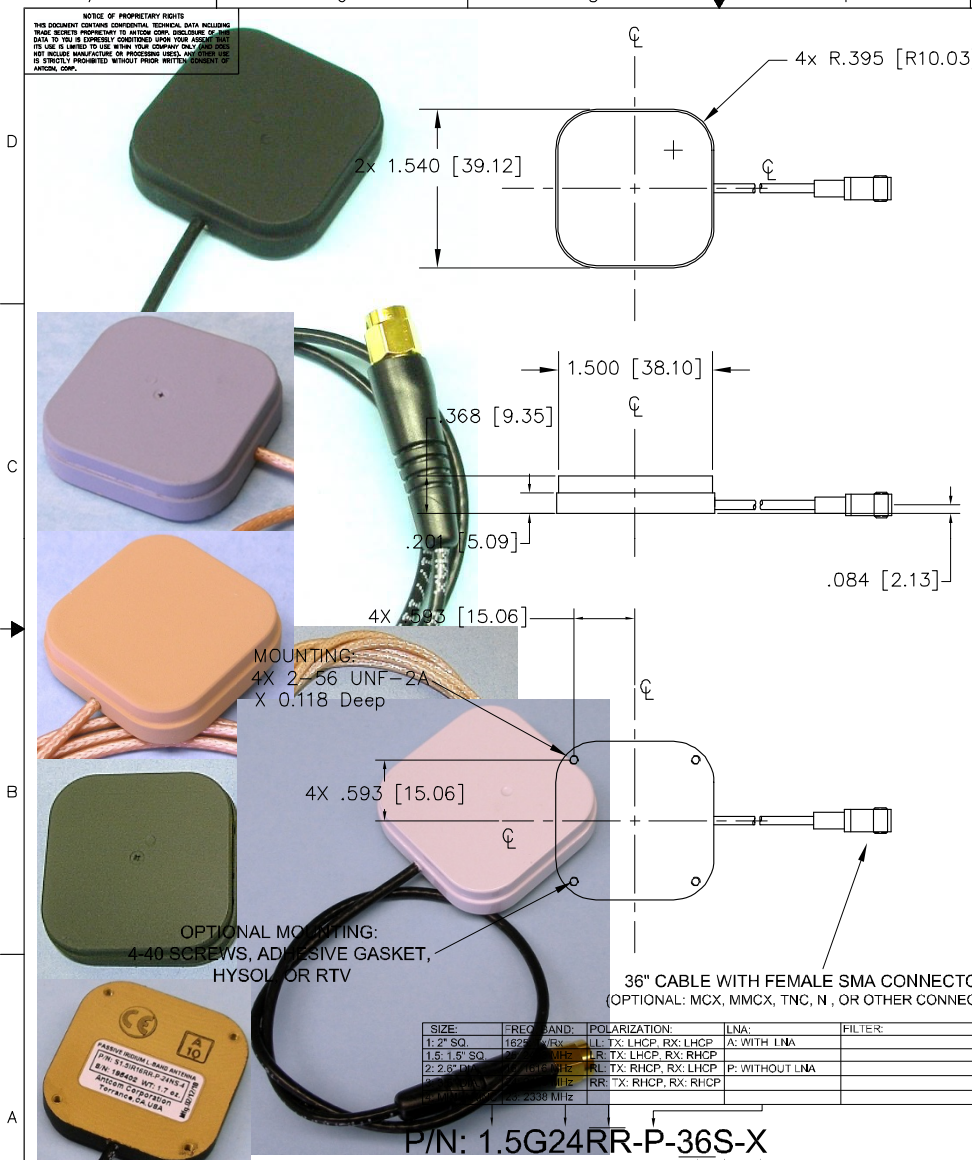
(2.4-2.5) GHz Antennas, P/N: 1.5G24RR-P-36S-4

1.5" Square, Back Mount Configurations with Cable



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>



SPECIFICATIONS

ELECTRICAL:	
FREQUENCY:	(2400 - 2500) MHz
RADIATION PATTERN:	HEMISPHERICAL
POLARIZATION:	RHCP
VSWR:	< 1.5:1
GAIN (dB):	4 ft G.P. 2.6 in G.P.
@ 90° (Zenith):	+4.6 +5.6
@ 10° Elevation (Ave):	-1.1 -1.4
@ 20° Elevation (Ave):	+2.2 +0.5
@ 30° Elevation (Ave):	+2.2 +1.8
@ 45° Elevation (Ave):	+3.4 +3.1
@ 70° Elevation (Ave):	+4.4 +5.4
BEAM WIDTH (3dB):	110° +100°
AXIAL RATIO @ Zenith:	2.0 dB
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt
DC GROUNDING:	YES (LIGHTNING PROTECTION)

SEE PART NO. BELOW

MECHANICAL:	
SIZE:	LENGTH=1.54 in.[39.12 mm], WIDTH=1.54 in.[39.12 mm] HEIGHT= 0.368 in.[9.35 mm]
WEIGHT:	1.1 oz. (31.2 g)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441
COLOR:	GLOSS WHITE #17925 PER FED-STD-595B LUSTERLESS GRAY #36320 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 COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, AND SKYDROL RESISTANCE, FIRE RETARDANT
CONNECTOR:	FEMALE SMA CONNECTOR WITH 36" CABLE (OPTIONAL: MCX, MMCX, TNC, N, OR OTHER CONNECTOR)
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

SIZE:	FREQ. BAND:	POLARIZATION:	LNA:	FILTER:
1: 2" SQ.	1625-1700 MHz	LL: TX: LHCP, RX: LHCP	A: WITH LNA	
1.5 1.5" SQ.	1625-1700 MHz	LR: TX: LHCP, RX: RHCP		
2: 2.8" DIA.	1625-1700 MHz	RL: TX: RHCP, RX: LHCP	P: WITHOUT LNA	
		RR: TX: RHCP, RX: RHCP		

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
5						
3	ADHESIVE GASKET	12345G-3M-1.2G				
1						

2. MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION
1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
- NOTES: UNLESS OTHERWISE SPECIFIED:

CABLE LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
F: CABLE LENGTH (IN)	N: N (Optional Bulkhead)	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T: TNC (Optional Bulkhead)	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES ± 1/64 .015 .002 ± 1°

TOLERANCE S/M PER ANS Y14.5

REMOVE ALL BURRS

BREAK EXTERNAL EDGES .005 TO .015

FILE TO .001

250°V FINISHES PER MIL-E-8879

DATE IN A CORNER OF DRAWING

MACHINED SURFACES

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE CALIFORNIA

802.11b ANTENNA (With 36" CABLE)

3CVE1

1.5G24RR-P-36S-X

SCALE 1/1

SHEET 1 OF 1