



FAA Approved Facility

S-Band RHCP or LHCP Antenna, P/N: 2G25XX-X-XTB-X

2.6" Diameter, Bulkhead/Back Mount Configurations



Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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Optional Mounting:
4X 6-32 UNC-2B,
0.130" Deep,
90° Apart on
1.153" Radius; &
ADHESIVE GASKET

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(2483 - 2500) MHz
RADIATION PATTERN:	HEMISPHERICAL
POLARIZATION:	RHCP OR LHCP (See Part Below)
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 +1.7
@ 45° Elevation (Ave):	+3.0 +2.6
@ 70° Elevation (Ave):	+4.0 +4.6
Beam Width (3dB):	139 °
AXIAL RATIO @ Zenith:	2.0 dB
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt
DC GROUNDING:	YES (LIGHTNING PROTECTION)

LNA OPTION:

LNA GAIN:	N/A	(35 +/- 1) dB
LNA NOISE FIGURE:	N/A	2.8 dB
LNA VOLTAGE:	N/A	(+2.5 to +30) Volts DC
LNA DRAWING CURRENT:	N/A	FROM Rx RF CON. A 38 mA
FILTER (REJ. @1616 MHz):		57 dB

MECHANICAL:

SIZE: DIAMETER = 2.60 in. [66.04 mm]
HEIGHT = .690 [17.53] (for Active), .58 [14.73] (for Passive)

WEIGHT: 4.00 oz. (113 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
BASE IRIDIUM PER MIL-C-5441

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
COMPOSITE RADOME, ABRASION,
UV, SOLVENT AND SKYDROL RESISTANCE,
FIRE RETARDANT

CONNECTOR: TNC BULKHEAD CONNECTOR,
(OPTION: TNC, SMA, N, N Bulkhead, MCX, MMCX,
or Cable)

MOUNTING: FLAT FIXED MOUNT; ADHESIVE GASKET &
MOUNTING NUT PROVIDED

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]

ALTITUDE: 70,000 ft.

VIBRATION: > 30 G's

LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

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

MOUNTING SCREWS: 10-32, 3/4"	J507C1032R12		5
ADHESIVE GASKET	123456-3M-3G		3
			1

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	ACTIVE L1 L2 GPS ANTENNA P/N: 2G1215A-XS-2 [SA: 68603 VIT: AS ex. 80281] Antcom Corporation Torrance, CA, USA		
	2	PASSIVE L1 L2 GPS ANTENNA P/N: 2G1216P-XT-4 [SA: 68603 VIT: 3.8 ex. 80281] Antcom Corporation Torrance, CA, USA		

ANTCOM CORP. TORRANCE, CALIFORNIA

2.6" Dia. FLAT FIXED MOUNT
S-BAND CP ANTENNA

APPROVED: S. HUYNH
DEC-13-02

SCALE: 1/1

SHEET 1 OF 1

CONFIGURATION: POLARIZATION: LNA: CABLE'S LENGTH: CONNECTOR: COLOR:

1. 2" SQ. (FLAT) LL LHCP A1: WITH +34 dB LNA X: NO CABLE S: SMA; P: PINS -1: GLOSS WHITE #17925 PER FED-STD-595B

1.3. 1.6" SQ. (FLAT) RR RHCP P: WITHOUT LNA M: WITH MAG. MOUNT #: CABLE LENGTH (IN) N: N; NB: N-Bulkhead -2: LUSTERLESS GRAY #36320 PER FED-STD-595B

2. 2.6" DIA. (FLAT) RR RHCP R: RIGHT ANGLE CON. T: TNC; TB: TNC-Bulkhead -3: OLIVE DRAB GREEN #34031 PER FED-STD-595B

3. 3.5" DIA. (FLAT) RR RHCP -4: LUSTERLESS BLACK #37038 PER FED-STD-595B

4. MINI ARINC (FLAT)

53. (HELIX ROD)

5B. (HELIX BLADE)

3D. (HELIX HANDHELD)

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

P/N: 2G25XX-X-XTB-1

NMO Connector is Now Available for Some Antennas