



Dual (2.4/5.4)GHz Wi-Fi. RHCP, LHCP, or Linear Directional Antenna
P/N: 4X4-2.5-5.4XX-P-XSS-1
P/N: 4X4A-2.5-5.4L-P-XSS-1-WD (LHCP/LHCP without Radome/No Painting)
4.442in Sq. x 0.847in Thick



ISO 9001:2008/FAA Approved Facility Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

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SPECIFICATIONS

ELECTRICAL:

FREQUENCY: S/C-Band Wi-Fi: 2.5/5.4 GHz
 PATTERN: DIRECTIONAL
 POLARIZATION: CIRCULAR or LINEAR (See P/N Below)
 ANTENNA GAIN: 8 dBi
 BEAM WIDTH: (40-50) deg

VSWR: 2:1
 OUTPUT IMPEDANCE: 50 ohms
 POWER HANDLING: 50 watts

MECHANICAL:

SIZE: 4.442in [113mm] Square x 0.847in [22mm] Thick
 WEIGHT: 8 oz (226 grams)
 FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
 BASE IRIDITE PER MIL-C-5541

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

CONNECTOR: SMA FEMALE
 (OPTION: SMB, TNC, MCX, MMCX, BNC)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +135 °F [-55 °C TO +85 °C]
 ALTITUDE: > 30,000 ft.
 VIBRATION: > 20 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:
 4x2.012 [51.10]
 6-32 Thread
 x0.250in Deep

7
6
5
4
3
2
1

4X4-2.5-5.4XX-P-XSS-1

NUMBER OF ELEMENT	FREQUENCY BAND:	S/C-BAND POL.	LNA:	CONNECTOR:	COLOR:
	2.5-5.4; (2.5/5.4) GHz	RR: RHCP/RHCP	A: WITH LNA	S: SMA	-X: WITHOUT RADOME
		RL: LHCP/LHCP	P: WITHOUT LNA	M: MCX; MM: MMCX	-1: GLOSS WHITE #17325 PER FED-STD-595B
		LR: LHCP/RHCP	LNA	M: N: NB: N: Bulkhead	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
		Vv: Vertical/Vertical	T: TNC; TB: TNC-Bulkhead		-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
					-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
					-5: TAN # FS 23446 or 33446, FED-STD-595

CONNECTOR LOCATION:
 X: ON BACK
 N: ON SIDE

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

QUANTITY	DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO
					5
					3
					1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ANTCOM CORP. TORRANCE, CALIFORNIA	
FRACTIONS	DECIMALS	DIRECTIONAL 2.5/5.4 GHz WI-FI ANTENNA ARRAY	
± 1/64	± .001		
ANGLES	± 1°		
TOLERANCE 3/16 PER ANSI Y14.5			
REMOVE ALL BURRS		DESIGNED	
DEBurr EXTERNAL EDGES .005 TO .015		ENGINEER	
FILED # 305 TO B 3/8		APPROVED	
SCREEN THREADS PER MIL-S-8879		S. HUYNH	
DAYS ON A COMMON 8.27.005		Mcj-25-12	
MACHINED SURFACES 1/2		CAD FILE NO	
DO NOT SCALE DRAWING			