New 12db Gain, Wi-Fi/S-Band Array Antenna, P/N: 9X9A-2.2-2.5V-XN-1

(9 x 9 x 1) in, Flat Panel, Front or Back Mount Configurations

Other Frequencies, Polarizations, or 2 Ports RHCP/LHCP are Available

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

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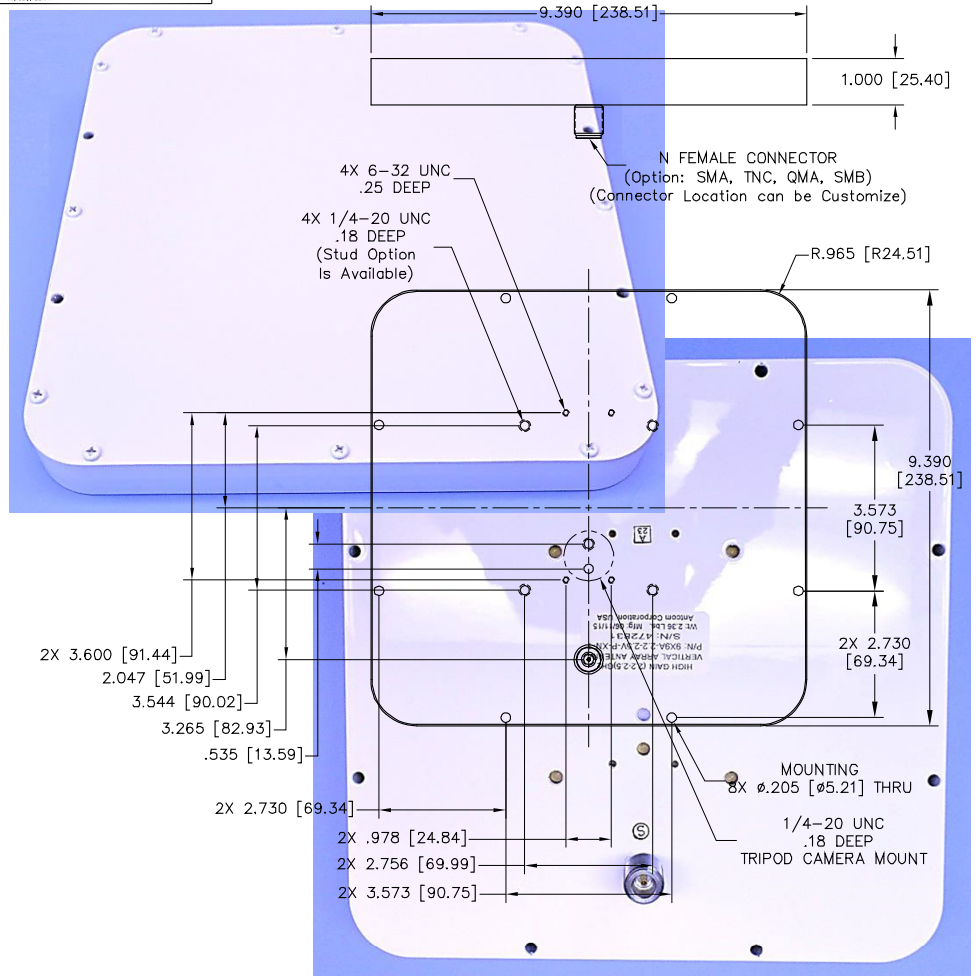
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(2.2 - 2.5) GHz
PATTERN:	DIRECTIONAL
POLARIZATION:	RHCP/LHCP OR LINEAR (See Below Table for P/N)
ANTENNA GAIN :	12 dB
BEAM WIDTH:	25 Deg
SIDE & BACK LOBE:	(-15/ -32) dB Down
CROSS POL:	-26 dB Down
VSWR:	2.0:1
OUTPUT IMPEDANCE:	50 ohms
POWER HANDLING:	100 watts
DC GROUNDING:	YES

LNA OPTION (For Rx Only):

LNA GAIN:	33 dB (P1dBout = +13 dBm)
LNA NOISE FIGURE:	2.2 dB
LNA VOLTAGE:	(+2.5 to +24) Volts DC
LNA DRAWING CURRENT:	< 30 mA

MECHANICAL:

SIZE:	9.39 in x 9.39 in x 1.00 in
WEIGHT:	2.28 lbs (1.03 Kg)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL, AND BLACK ANODIZED
MATERIAL:	6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT,AND SKYDROL RESISTANCE, FIRE RETARDANT
CONNECTOR:	N FEMALE (OPTION: SMA, TNC, QMA, SMB)

ENVIRONMENTAL:

TEMPERATURE:	-76 °F TO +195 °F [-60 °C TO +90 °C]
ALTITUDE:	30,000 ft.
VIBRATION:	> 20 G's
LEAKAGE:	HERMETICALLY SEALED

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

NMO Connector Option is Now Available for Some Antennas

FREQUENCY BAND:	POLARIZATION:	LNA:	CONNECTOR:	COLOR:
L1/L2: (1.575)/(1.227) GHz	V: VERTICAL	A: ACTIVE	S: SMA	-1: GLOSS WHITE #17925 PER FED-STD-595B
T: Rx/Tx Thuraya	R: RHCP	P: PASSIVE	Q: QMA	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
IN: Rx/Tx Inmarsat/Iridium	L: LHCP		SMB: SMB	-3: CAMO GREEN #34094 PER FED-STD-595B
1.6-1.9: (1.6 - 1.9) GHz	RL: RHCP/LHCP		T: TNC	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
2.2-2.3: (2.2 - 2.3) GHz	LR: LHCP/RHCP		N: N	-5: TAN #33446 PER FED-STD-595B
2.2-2.4: (2.2 - 2.4) GHz				
2.4-2.5: (2.4 - 2.5) GHz				
2.2-2.5: (2.2 - 2.5) GHz				
LS: (1.625 - 1.85)/(2.2 - 2.4) GHz				
X.X-Y.Y: (X.XX - Y.YY) GHz				

P/N: 9X9A-2.2-2.5V-XN-X

QUANTITY REQD	DESCRIPTION	PART NO	FINISH	ITEM NO
1	–	–	–	1

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ± 1/64, DECIMALS .XX± .020, .XXX± .010, ANGLES ± 1°
TOLERANCE SYM PER ANSI Y14.5
REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 FILLETS R .005 TO R .030 SCREW THREADS PER MIL-S-8879 DIA'S ON A COMMON ℄ Ø.005
MACHINED SURFACES 125
DO NOT SCALE DRAWING

ORIGINALLY DRAWN	S. HUYNH	Feb-16-15
ORIGINALLY DESIGNED	S. HUYNH	Feb-16-15
UPDATED	S. HUYNH	June-10-15
UPDATE DRAWN	P. TRAN	June-10-15
APPROVED	S. HUYNH	June-10-15

ANTCOM CORP. TORRANCE CALIFORNIA

S-Band/ Wifi Antenna

SIZE	CAGE NO	DRAWING NO	REV
D	3CVE1	9X9A-2.2-2.5V-XN-X	–

SCALE 1/1 SHEET 1 OF 1