



FAA Approved Facility

(0.69 – 5.8)GHz 3G/ 4G/ 5G/ LTE/ UHF/ L/ S/ C /Wifi Array Antenna

P/N: 4X11-0.69-3.6-2.4-5.8V-XS8-1

Other Frequencies, Connector, Color and Mounting Options are Available

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



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6X  $\phi$  .201 [  $\phi$ 5.11 ] THRU  $\phi$ .385 X 100"

8X SMA FEMALE CONNECTOR

0-RING  
P/N: 2-038/  
N756-75

6X .417 [10.59]

J1 J2  
J3 J4  
J5 J6  
J7 J8

4X .417 [10.59]

1.631 [41.43] CLEARANCE

.797 [20.24] CLEARANCE

.222 [5.64]

4X 1.864 [47.36]

4.174 [106.02]

2X 5.500 [139.70]

2X 5.230 [132.84]

11.450 [290.83]

3.250 [82.55]

1.056 [26.82]

0.250 [6.35]

**SPECIFICATIONS**

REVISIONS		DATE	APPROVED
ZONE	REV	DESCRIPTION	
A		ONE MORE PORT	04/12/17 S.H

**ELECTRICAL:**

	J7-J8: 2X2 MIMO #3	J1-J6: 3X3 MIMO #1 & #2
3G /4G /5G /LTE /UHF /L /S /C-Band/ Wifi		Wifi (802.11ac)
FREQUENCY:	(698-960)/(1710-2170)/(2300-2700)/(2900-3600) MHz	(2400 - 5800) MHz
PATTERN:	OMNIDIRECTIONAL	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL	VERTICAL
ANTENNA GAIN :	3.5 dBil (on Minimum 24in Ground Plane)	
VSWR:	2.5:1	
OUTPUT IMPEDANCE:	50 $\Omega$	
POWER HANDLING:	100 watts CW	
LIGHTNING PROTECTION:	DC GROUNDING	
ISOLATION BETWEEN MIMO ELEMENTS:	20 dB MIN.	

**MECHANICAL:**

SIZE: WIDTH: 11.450in. [290.8mm], LENGTH: 4.173in. [106.0mm], HEIGHT: 3.250 in. [82mm]

WEIGHT: 1.9 lbs. (861 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL  
BASE IRIDITE PER MIL-C-5541F

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE  
THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE

CONNECTOR: SMA FEMALE  
(OPTIONAL: TNC, BNC, N OR CABLE)

**ENVIRONMENTAL:**

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

ALTITUDE: 70,000 ft.

VIBRATION: 10 G's

LEAKAGE: HERMETICALLY SEAL

**FEDERAL & MILITARY SPECIFICATIONS:**

TSO-C169A/C144, MIL-C-5541F(Finish), MIL-DTL-14072(Finish), MIL-I-45208A(Inspection), DO-160D(Test), DO-228, MIL-STD-810 (Test), SAE J1455(Enviromental), MIL-S-901D(Shock), MIL-STD-167-1A(Vibration), MIL-HDBK-2164A(Stress), MIL-STD-461E/F(Elec Interfer), MIL-STD-202(Elec Comp.), MIL-HDBK-5400(Elec Eq.), MIL-HDBK-454(Elec Eq.), MIL-PRF-39012(Conn), MIL-STD-129 (Marking), MIL-STD-1285 (Marking), MIL-STD-889(Metal), FED-STD-595(Color), MIL-C-85704B(Solvent), MIL-G-81827(Grease)

QTY	DESCRIPTION	PART NO	SPECIFICATION	REF NO
6	SCREW, MOUNTING: 10-32 X 100" FLAT H	91771A833		2
1	O-RING	2-038/N756-75		1

**PARTS LIST**

UNLESS OTHERWISE SPECIFIED	FRAC TIONS	DECIMALS	ANGLES	TOLERANCE SURF PER ANS I14.6	FINISH ALL SURF	REFR. EXTEN. EDGES 005 TO 010	SOFT. & TWEAKS PER MIL-S-8879	DATE ON A CHANGE 6.27.003	MAINED SURFACES	DO NOT SCALE DRAWING
ORIGINAL DRAWN	S. HUYNH	April-11-17								
ORIGINAL DESIGNED	S. HUYNH	April-11-17								
UPDATER	S. HUYNH	April-25-17								
UPDATER DRAWN	P. TRANT	April-25-17								
APPROVED	S. HUYNH	April-29-17								

**ANTCOM CORP.** TORRANCE, CALIFORNIA

3G/4G/5G/LTE/UHF/L/S/C-Band/Wifi  
Antenna Array

REV D 3CVE1 4X11-0.69-3.6-2.4-5.8V-XS8-1 A

SCALE 1/1 SHEET 1 OF 1

**P/N: 4X11-0.69-3.6-2.4-5.8V-XS8-1**

SIZE:	START FREQ. (GHz):	STOP FREQ. (GHz):	CONNECTOR:	COLOR:
1: 2" SQ.	0.22, 0.31, 0.35, 0.37,	0.31, 0.35, 0.37, 0.40,	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
1.2: 1.5" SQ.	0.40, 0.42, 0.45, 0.47,	0.41, 0.42, 0.45, 0.47,	M: MMCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
2: 2.6" DIA.	0.70, 0.80, 0.99, 1.30	0.70, 0.80, 0.99, 1.40	N: NIN-Bulkhead	-3: CAMO GREEN #34094 PER FED-STD-595B
3: 3.5" DIA.	1.50, 1.60, 1.70, 1.80	1.55, 1.65, 1.75, 1.85	T: TB; TNC, TNC- Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
3B/5B; 3in/6in BLADE	1.99, 2.40, 2.70, 5.8	1.99, 2.50, 2.70, 5.8	BNC; BNC	-5: DESERT TAN #33446 PER FED-STD-595B