



FAA Approved Facility

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

P/N: 3X10-0.69-3.6-2.4-5.8V-2SF8-1

Other Frequencies, Connector, Color and Mounting Options are Available

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



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(8X) SMA FEMALE BULKHEAD CABLE

3.250 [82.55]

2.50 [6.35]

2.910 [73.91]

2.470 [62.74]

6X  $\phi$ .213 [ $\phi$ 5.41] THRU  $\phi$ .385 X .135 DEEP (UNPAINTED)

2X 3.910 [99.31]

10.550 [267.97]

2X 3.910 [99.31]

PAINTED

UNPAINTED

CABLE 8X  $\phi$ .100 [ $\phi$ 2.54]

2.158 [54.81]

O-RING P/N: 2-031/N756-75

1.583 [40.21]

SMA Female Bulkhead J7, J8: 2 In. J4, J5, J6: 3 In. J1, J2, J3: 4 In.

**SPECIFICATIONS**

		REVISIONS		
ZONE	REV	DESCRIPTION	DATE	APPROVED

**ELECTRICAL:**

	J7-J8: 2X2 MIMO #3	J1-J6: 3X3 MIMO #1 & #2
	3G /4G /5G /LTE /UHF /L /S /C-Band/ Wifi (J7,J8: BLUE)	Wifi (802.11ac) (J1,3,5: RED/ J2,4,6: YELLOW)
FREQUENCY:	(698-960)/(1710-2170)/(2300-2700)/(2900-3600) MHz	(2400 - 5800) MHz
PATTERN:	OMNIDIRECTIONAL	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL	VERTICAL
ANTENNA GAIN:	3.5 dBi (on Minimum 24in Ground Plane)	
VSWR:	(2-2.5):1	
OUTPUT IMPEDANCE:	50 $\Omega$	
POWER HANDLING:	100 watts CW	
LIGHTNING PROTECTION:	DC GROUNDING	
ISOLATION BETWEEN MIMO ELEMENTS:	10 dB MIN.	

**MECHANICAL:**

SIZE: WIDTH: 2.91in. [73.9mm], LENGTH: 10.55in. [268.0mm], HEIGHT: 3.250 in. [82mm]

WEIGHT: 0.95 lbs. (431 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 BULKHEAD CABLE (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	REV
6	SCREW, MOUNTING: 10-32 X 100" PAN HD	91773A833		2
1	O-RING	2-031/N756-75		1

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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,	SFB: SMA-F Bulkhead	-1: GLOSS WHITE #17925 PER FED-STD-595B
1.5: 1.9" SQ.	0.40, 0.42, 0.45, 0.47,	0.41, 0.42, 0.45, 0.47,	M: MCX; 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 #43094 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; TFB, TNC-F Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
3B/5B: 3in/5in 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