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6X TNC FEMALE CONNECTOR
6X Ø.213 [Ø5.41] THRU
Ø.385 X .135 DEEP
(UNPAINTED)

1.056 [26.82]

11.396 [289.46]

10.730 [272.54]

4.174 [106.02]

4X 1.864 [47.36]

Ø.222 [5.64]

4X .600 [15.24]

CLEARANCE 2.367 [60.11]

1.169 [29.68]

UNPAINTED

RED YELLOW BLUE BLUE

J1 J2 J3 J4 J5 J6 J7 J8

6X .600 [15.24]

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

SPECIFICATIONS

REVISIONS		DATE	APPROVED
A	ONE MORE PORT	04/12/17	S.H
B	COUNTERBORE/UNPAINTED	05/23/17	S.H

ELECTRICAL:

DESCRIPTION	VALUE
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
PATTERN:	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL
ANTENNA GAIN :	3.5 dBiI (on Minimum 24in Ground Plane)
VSWR:	(2-2.5):1
OUTPUT IMPEDANCE:	50 Ω
POWER HANDLING:	100 watts CW
LIGHTNING PROTECTION:	DC GROUNDING
ISOLATION BETWEEN MIMO ELEMENTS:	20 dB MIN.

MECHANICAL:

SIZE: WIDTH: 4.173in. [106.0mm] LENGTH: 11.363in. [288.62mm]
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: TNC FEMALE
(OPTIONAL: SMA, 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(Environmental), 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" PAN HD	91773A833		2
1	O-RING	2-038/N756-75		1

PARTS LIST

QTY	DESCRIPTION	PART NO	SPECIFICATION	REF NO
1	O-RING	2-038/N756-75		1

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
FRACTIONS DECIMALS ANGLES
± 1/64 ± .005 ± .1°

TOLERANCE 5M PER ANSI Y14.6
HOLE POSITION ± .010
HOLE SIZE ± .005
HOLE ANGLE ± .1°

ORIGINAL DRAWN S. HUYNH April-11-17
ORIGINAL DESIGNED S. HUYNH April-11-17
UPDATER S. HUYNH May-23-17
UPDATER S. HUYNH May-23-17
APPROVED S. HUYNH May-23-17

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA

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

REV D 3CVE1 DRAWING NO 4X11-0.69-3.6-2.4-5.8V-XT8-1
SCALE 1/1 SHEET 1 OF 1

P/N: 4X11-0.69-3.6-2.4-5.8V-XT8-1

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
1.9: 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: N/N-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/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