(1.35-1.39) GHz Dipole Antenna

P/N: 6D1.35-1.39P-XS-2-3-DP

Other Frequencies, Connector, Mounting and Color Options are Available

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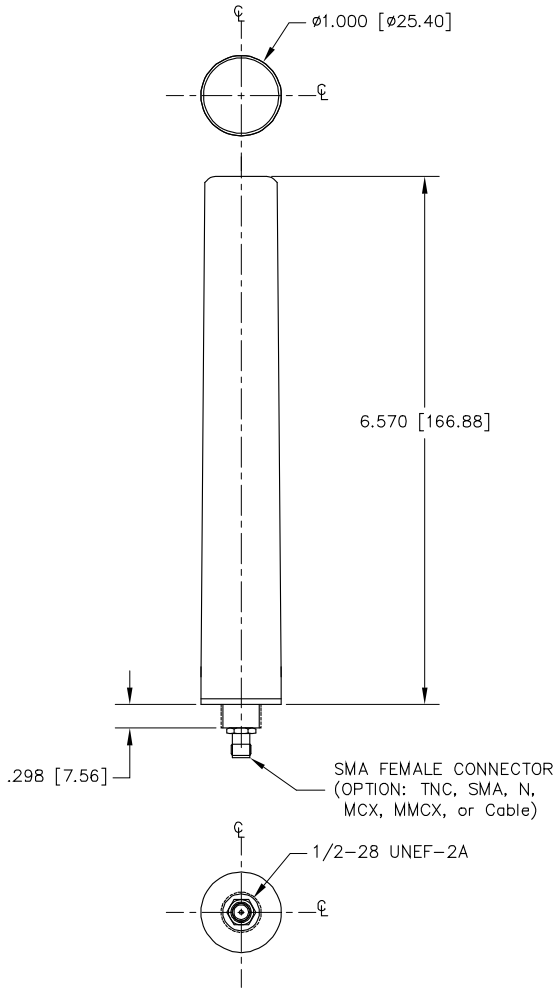

SPECIFICATIONS

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:

FREQUENCY:	(1.35-1.39) GHz
RADIATION PATTERN:	OMNI
POLARIZATION:	VERTICAL
VSWR:	< 2.0:1
PEAK GAIN ON HORIZON:	3 dBi
ELEVATION BEAM WIDTH (3dB):	65 °
AZIMUTH BEAM WIDTH (3dB):	360 °
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt
LIGHTNING PROTECTION:	Yes

MECHANICAL:

SIZE: DIAMETER = 1.000 in.[25.40 mm],
HEIGHT = 6.570 in. [166.88 mm]

WEIGHT: 3.4 oz. (96.4 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL TOP, BASE IRIDITE PER MIL-C-5441F

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

CONNECTOR: SMA FEMALE CONNECTOR
(OPTION: TNC, SMA, N, MCX, MMCX, or Cable)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]
ALTITUDE: 70,000 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

FREQUENCY (GHz)	POLARIZATION:	BEAM PATTERN:	CABLE'S LENGTH:	CONNECTOR:	COLOR:
0.31-0.45	V: VERTICAL	F: FAN BEAM	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
1.35-1.39	L: LHCP	O: OMNI	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
1.7-2.0	R: RHCP	#: CABLE LENGTH (IN)	N: N; NB: N-Bulkhead	-3: CAMO GREEN #34094 PER FED-STD-595B	
2.0-2.5		R: RIGHT ANGLE CON.	T: TNC; TB: TNC- Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B	
4.40-5.85				-5: DESERT TAN #33446 PER FED-STD-595B	
X.X - X.X					

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

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ± 1/64 DECIMALS .XX± .015 .XXX± .005 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 M
MACHINED SURFACES 125
DO NOT SCALE DRAWING

ORIGINALLY DRAWN	S. HUYNH	Jan-07-14
ORIGINALLY DESIGNED	S. HUYNH	Jan-07-14
UPDATED	S. HUYNH	Mar-03-16
UPDATE DRAWN	P. TRAN	Mar-03-16
APPROVED	S. HUYNH	Mar-03-16

ANTCOM CORP. TORRANCE CALIFORNIA

(1.35-1.39) GHz
OMNI ANTENNA

SIZE	DWG NO	REV
D	3CVE1	6D1.35-1.39P-XS-2-3-DP	–

SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas