(3.04-3.45) GHz High Gain S-Band Helix Antenna

P/N: 14X2.2H3.24R-P-XS-4-12dB-80323

Other Frequencies, Polarizations, Connectors and Colors are Available

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

ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501, USA . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . http://www.antcom.com

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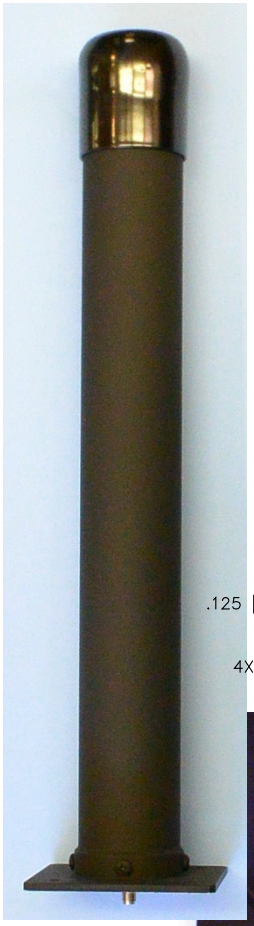

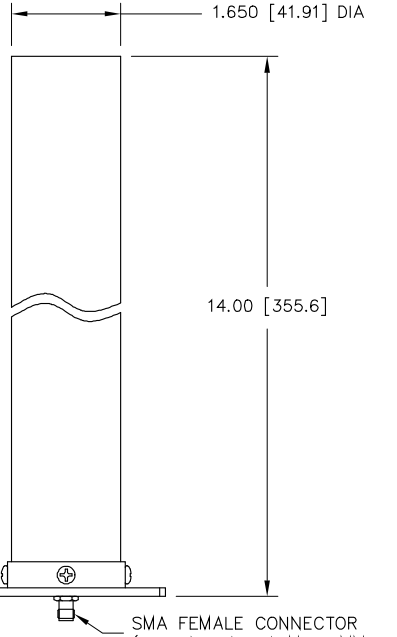

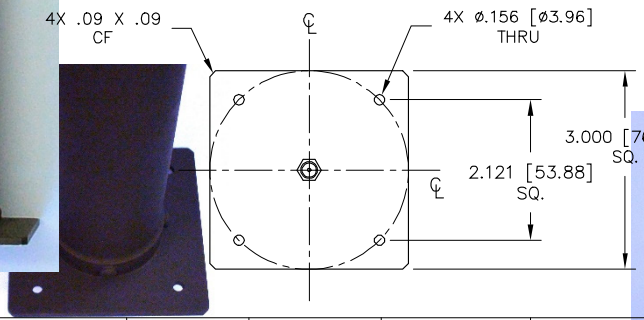

SPECIFICATIONS

ZONE	REV	REVISIONS DESCRIPTION	DATE	APPROVED

ELECTRICAL:

	S-BAND
FREQUENCY (GHz):	(3.04 - 3.45)
ANTENNA GAIN (dBIc):	12 dBic
RADIATION PATTERN:	DIRECTIONAL
POLARIZATION:	RHCP
VSWR:	2.0:1
IMPEDANCE:	50 ohms

MECHANICAL:

SIZE:	TOP DIA: = 1.65in [41.9 mm], BASE = 3.00in SQ. [76.20 mm] HEIGHT = 14.00in [355.6mm]
WEIGHT:	45 oz. (1.27 kg)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5541F TYPE II CLASS 1A
MATERIAL:	6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, AND SKYDROL RESISTANCE, FIRE RETARDANT
CONNECTOR:	SMA FEMALE (OPTION: TNC, N, BNC or CABLE)

ENVIRONMENTAL:

TEMPERATURE:	-67 °F TO +185 °F [-55 °C TO +85 °C]
ALTITUDE:	70,000 ft.
VIBRATION:	> 30 G's
LEAKAGE:	HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541F, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

FREQUENCY (GHz):	POLARIZATION:	LNA:	CABLE'S LENGTH:	CONNECTOR:	COLOR:
2223: 2.2 - 2.3	LL: TX: LHCP, RX: LHCP	A: WITH +34 dB LNA	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
2025: 2.0 - 2.5	LR: TX: LHCP, RX: RHCP	P: WITHOUT LNA	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
2425: 2.4 - 2.5	RL: TX: RHCP, RX: LHCP		#: CABLE LENGTH (IN)	N: N; NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
3.24: 3.04 - 3.45	RR: TX: RHCP, RX: RHCP		R: RIGHT ANGLE CON.	T: TNC; TB: TNC- Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
	R: RHCP				-5: DESERT TAN #33446 PER FED-STD-595B
XXYY: (X.X - Y.Y) GHz	L: LHCP				

P/N: 14X2.2H3.24R-P-XS-4-12dB-80323

ITEM NO	PART NO	DESCRIPTION	QUANTITY REQD
2	–	–	–
1	–	–	–1

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ± 1/64 DECIMALS .XX ± .01 .XXX ± .005 ANGLES ± 1°
TOLERANCE SYM PER ANSI Y14.5
REMOVE ALL BURRS
BREAK EXTERNAL EDGES .005 TO .015
FILLET R .005 TO R .030
SCREW THREADS PER NIL-S-8879
DIA'S ON A COMMON ℄ Ø.005
MACHINED SURFACES 125/
DO NOT SCALE DRAWING

ORIGINALLY DRAWN	S. HUYNH	July-01-13
ORIGINALLY DESIGNED	S. HUYNH	July-01-13
UPDATED	S. HUYNH	Oct-06-16
UPDATE DRAWN	P. TRAN	Oct-06-16
APPROVED	S. HUYNH	Oct-06-16

ANTCOM CORP. TORRANCE, CALIFORNIA

HIGH GAIN
S-BAND HELIX ANTENNA

SIZE D | CAGE NO 3CVE1 | DRAWING NO 14X2.2H3.24R-P-XS-4-12dB-80323 | REV —

SCALE 1/1 | SHEET 1 OF 1