



Iridium + UHF Antenna

P/N: 13IR0.34RV-PP-XT2-UU



Other Frequencies, Connector and Color Options Are Available

ISO 9001:2008/FAA Approved Facility Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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13.125 [333.38] 14.974 [380.3]

Ø2.500 [Ø63.50]
Ø1.360 [Ø34.54]

0.150 [3.81] TNC FEMALE CONNECTOR

2X .249 [6.32]

32 IR UHF

2X .452 [11.48] 8X 6-32 UNC .25 DEEP ON 1.107 RAD.

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SPECIFICATIONS

ELECTRICAL:

FREQUENCY (MHz):	(1610-1626)	(225-450)
GAIN (dBic) in FS	IRIDIUM	UHF
@ 90° (Zenith):	+ 0.1	- 2 dBil
@ 10° Elevation:	- 1.6	
@ 20° Elevation:	- 0.8	
@ 30° Elevation:	- 0.7	
@ 45° Elevation:	- 0.3	
@ 70° Elevation:	- 0.7	
RADIATION PATTERN:	HEMISPHERICAL	OMNIDIRECTIONAL
POLARIZATION:	RHCP	VERTICAL
VSWR:	2:1	3:1
DC GROUNDING:	YES (LIGHTNING PROTECTION)	

MECHANICAL:

SIZE: DIAMETERS = 1.36in [35mm], 2.6in [64mm]
HEIGHT = 14.974 in. [380.3 mm]

WEIGHT: 12.5 oz. (354.4 g)

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

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

CONNECTOR: TNC FEMALE CONNECTOR
(OPTION: TNC, SMA, N, N Bulkhead, BNC)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]
ALTITUDE: 70,000 ft.
VIBRATION: > 30 G's
WIND SPEED: > 135 Miles/hr
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

1. 32RMS SURFACES ARE FOR O-RING SEALING SURFACE

NOTES: UNLESS OTHERWISE SPECIFIED:

CONFIGURATION:	FREQUENCY:	POLARIZATION:	LNA:	CONNECTOR:	COLOR:
5B: (HELIX ROD)	IR; IRIDIUM	LL; TX; LHCP, RX; LHCP	A1: WITH +34 dB LNA	S: SMA; P: PINS	-U; TEFLON COATED
5B: (HELIX BLADE)	L1L2; L1L2 GPS	LR; TX; LHCP, RX; RHCP	P: WITHOUT LNA	M: MCX; MM; MMCX	-1: GLOSS WHITE #17925 PER FED-STD-595B
3D: (HELIX HANDHELD)	0.25; UHF(240-270) MHz	RL; TX; RHCP, RX; LHCP		N: N; NB: N-Bulkhead	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
13: (HELIX Sextant Port)	0.34; UHF(225-450) MHz	RR; TX; RHCP, RX; RHCP		T: TNC; TB: TNC- Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
15: (HELIX Sextant Port)		V: VERTICAL; H: HORIZONTAL		B: BNC Female	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

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-1	DESCRIPTION	PART NO	FINISH	REV	NO
QUANTITY REQD	PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:					
FRACTIONS	DECIMALS	ANGLES	ORIGINAL DRAWN S. HUYNH Dec-17-14		
± 1/64	± .005	± 1°	ORIGINAL DESIGNED S. HUYNH Dec-17-14		
TOLERANCE SYM PER ANG V14.5			UPDATED S. HUYNH April-07-17		
REMOVE ALL SURFS			UPDATE DRAWN P. TRAN April-07-17		
BREAK EXTERNAL EDGES .005 TO .015			APPROVED S. HUYNH April-07-17		
HOLE'S TO .010 TO .015			SCALE 1/1		
SIZE'S UNLESS PER MIL-C-8879			SHEET 1 OF 1		
DIA'S ON A DIMENSION ± .0005			ANTCOM CORP. TORRANCE, CALIFORNIA		
MACHINED SURFACES			IRIDIUM/ UHF ANTENNA		
DO NOT SCALE DRAWING					