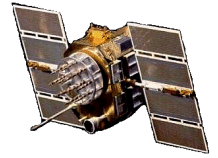


Dual IRIDIUM Antenna, P/N: 13IR1616RR-P-XTBTB-1
 1.36" Diameter x 12.8" Tall, C130/Sextant Port with 2 Lock-Pin Configuration
 with BNC, TNC, SMA or N Connector Options



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REVISIONS		DATE	APPROVED
ZONE	REV	DESCRIPTION	

SPECIFICATIONS

ELECTRICAL:

FREQUENCY (MHz):	(1227.80 ±15)	(1542.50 ±17.5)	(1575.42 ±15)	(1602-1616)	(1610-1626)	(1642.50 ±17.5)
GAIN (dBic) in FS	L2 GPS	Rx L-Band	L1 GPS	GLONASS	IRIDIUM	Tx INMARSAT
@ 90° (Zenith):	- 13.5	- 5.4	- 4.2	- 3.2	- 3.0	- 3.8
@ 10° Elevation:	- 13.6	- 5.5	- 4.3	- 3.3	- 3.1	- 3.9
@ 20° Elevation:	- 12.3	- 4.2	- 3.0	- 2.0	- 1.8	- 2.6
@ 30° Elevation:	- 11.6	- 3.5	- 2.3	- 1.3	- 1.1	- 1.9
@ 45° Elevation:	- 11.6	- 3.5	- 2.3	- 1.3	- 1.1	- 1.9
@ 70° Elevation:	- 12.9	- 4.8	- 3.6	- 2.6	- 2.4	- 3.2
AXIAL RATIO (dB)	1 to 2					
RADIATION PATTERN:	HEMISPHERICAL					
POLARIZATION:	RHCP					
VSWR:	< 1.5:1					
DC GROUNDING:	YES (LIGHTNING PROTECTION)					

MECHANICAL:

SIZE: DIAMETERS = 1.36in [35mm], 2.6in [64mm]
 HEIGHT = 12.824 in. [325.7 mm]

WEIGHT: 12.5 oz. (354.4 g)

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

COLOR: GLOSS WHITE #17925 PER FED-STD-595B
 LUSTERLESS GRAY #36320 PER FED-STD-595B
 OLIVE DRAB GREEN #34031 PER FED-STD-595B
 LUSTERLESS BLACK #37038 PER FED-STD-595B

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

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

MOUNTING: FLAT, OR FIXED PIPE (3/4"-1.0" Dia.) MOUNT (PROVIDED)

ENVIRONMENTAL:

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

QUANTITY RECORD

QTY	DESCRIPTION	PART NO	FINISH	TOTL
4				5
1				4
1				3
1				2
1				1
-1				-

PARTS LIST

QTY	DESCRIPTION	PART NO	FINISH	TOTL
4				5
1				4
1				3
1				2
1				1
-1				-

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 FRACTIONS USE 16 AS DENOMINATOR
 ± 1/64 DECIMALS ± .005 ANGLES ± 1°
 TOLERANCE SHIP PER ANSI Y14.5
 REMOVE ALL BURRS FROM EXTERNAL SURFACES TO .010
 FILLETS R .005 TO R .010
 SCREW THREADS PER UN-2-8879
 DIA'S ON A COMMON ± .0005
 MACHINED SURFACES 125
 DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA

Dual Sextant Port IRIDIUM/GPS/GLONASS/INMARSAT HELIX ANTENNA

DRAWN: K. Lee Mar-10-10
 CHECKED: S. HUYNH Mar-10-12
 APPROVED: S. HUYNH Mar-10-12

P/N: 13IR1616RR-P-XTBTB-4

SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas