



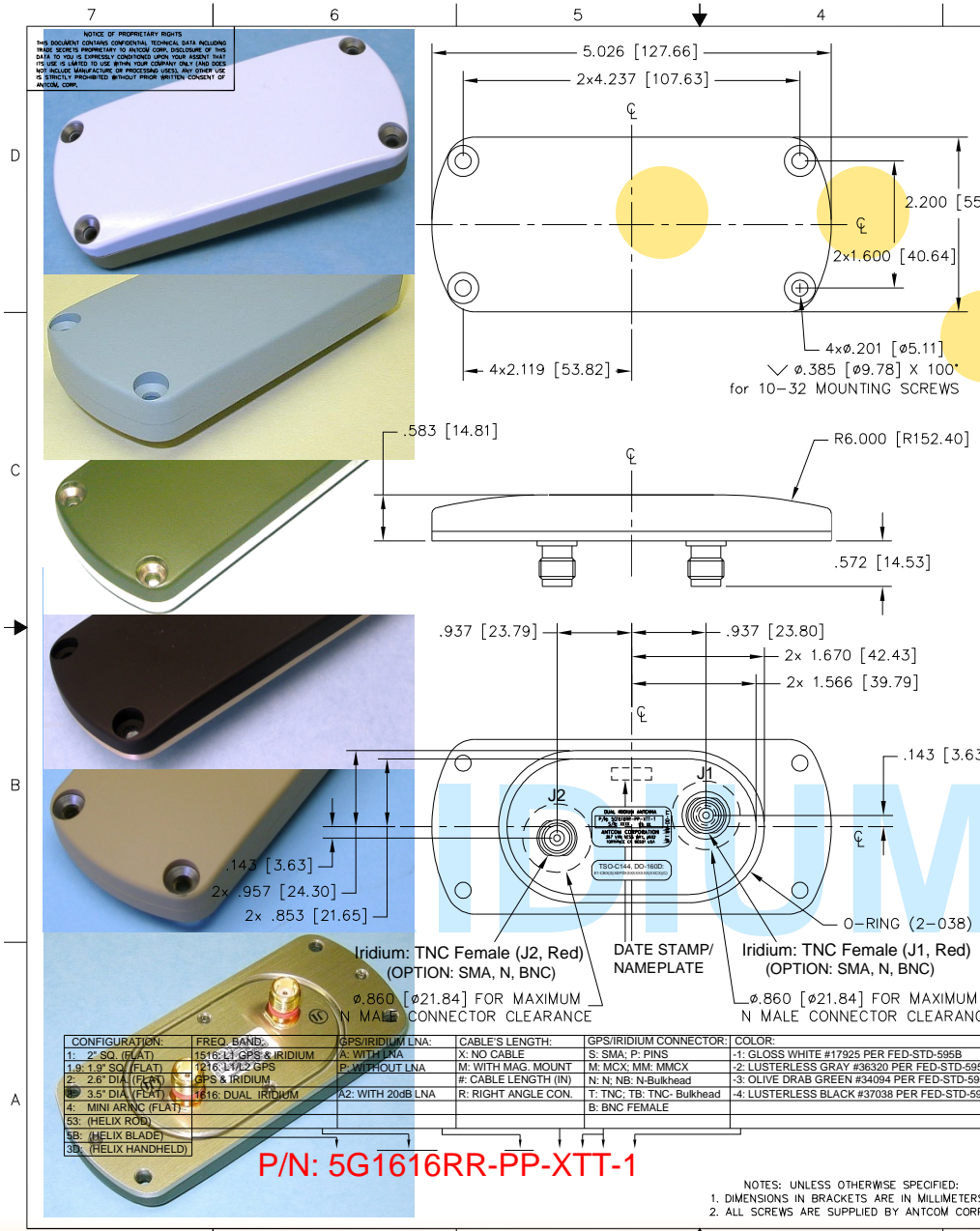
ISO 9001:2008/FAA Approved Facility

Dual Channel IRIDIUM Antenna, P/N: 5G1616RR-PP-XTT-X Rev A (5.03"x2.08"x0.69"), Flat/Pipe mount Configuration, With BNC, TNC, SMA, N Connector Options.



Antenna Mounts: <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>



SPECIFICATIONS

ELECTRICAL:

		IRIDIUM		IRIDIUM	
		(1610.0 - 1626.5) MHz		(1610.0 - 1626.5) MHz	
FREQUENCY:					
RADIATION PATTERN:		HEMISPHERICAL		HEMISPHERICAL	
POLARIZATION:		RHCP		RHCP	
VSWR:		2.0:1		2.0:1	
GAIN (dB):		4 ft G.P.	Free Space	4 ft G.P.	Free Space
@ 90° (Zenith):		+4.9	+5.0	+4.9	+5.0
@ 10° Elevation:		-1.0	-2.5	-1.0	-2.5
@ 20° Elevation:		+1.5	-0.5	+1.5	-0.5
@ 30° Elevation:		+2.4	+1.0	+2.4	+1.0
@ 60° to 90° Elevation:		>+3.3	>+2.7	>+3.3	>+2.7
BEAM WIDTH (3dB):		129 °	98 °-106 °	129 °	98 °-106 °
AXIAL RATIO @ Zenith:		2 dB		2 dB	
POWER HANDLING:		30 W		30 W	
LIGHTNING PROTECTION:		DC GROUNDING		DC GROUNDING	
FILTER (REJ. @1616 MHz):					
LNA GAIN:		N/A		N/A	
LNA P 1dB Out:		N/A		N/A	
LNA NOISE FIGURE:		N/A		N/A	
VOLTAGE/CURRENT:		N/A		N/A	

MECHANICAL:

SIZE: WIDTH: 2.20 in. [55.88 mm], LENGTH: 5.026 in [127.66 mm], HEIGHT: 0.583 in. [15 mm]

WEIGHT: 6.6 oz. (187 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL, AND NICKEL PLATING

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

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

MOUNTING: FLAT FIXED MOUNT; O-RING & 4 x 10-32 MOUNTING SCREWS PROVIDED

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-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

CONFIGURATION:	FREQ. BANDS:	GPS/IRIDIUM LNA:	CABLE'S LENGTH:	GPS/IRIDIUM CONNECTOR:	COLOR:
1: 2" SO (FLAT)	1516-13 GPS & IRIDIUM	A: WITH LNA	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
1A: 1.9" SO (FLAT)	1216-14/12 GPS	P: WITHOUT LNA	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
2: 2.8" DIA (FLAT)	GPS & IRIDIUM	A2: WITH 20dB LNA	F: CABLE LENGTH (IN)	N: N; NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34094 PER FED-STD-595B
3: 3.5" DIA (FLAT)	1616 DUAL IRIDIUM		R: RIGHT ANGLE CON.	T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
4: MINI ARINC (FLAT)				B: BNC FEMALE	
53: (HELIX ROD)					
5B: (HELIX BLADE)					
3D: (HELIX HANDHELD)					

P/N: 5G1616RR-PP-XTT-1

NOTES: UNLESS OTHERWISE SPECIFIED:
1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
2. ALL SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

QUANTITY	RECD	DESCRIPTION	PART NO	MATERIAL	FINISH	REQ
4		MOUNTING SCREW: (10-32, 1")	MS24693C276	-	-	5
1		O-RING	2-038-N756-75	-	-	1

UNLESS OTHERWISE SPECIFIED	ANTCOM CORP.
DIMENSIONS ARE IN INCHES	TORRANCE, CALIFORNIA
FRACTIONS USE 16 AS DENOMINATOR	
TOLERANCES UNLESS OTHERWISE SPECIFIED	
± 1/64	
± .005	
± .010	
± .1"	
ANGLES	
± 1°	
TOLERANCE 5/16 PER ANG 114.5	
REMOVE ALL BURRS	
BREAK EXTERNAL EDGES .005 TO .015	
FILETS R .005 TO R .030	
2500 SURFACES PER MIL-S-8879	
DIA'S ON A COMMON 6.25 ± .005	
MACHINED SURFACES	
DO NOT SCALE DRAWING	

ORIGINAL DRAWN	ORIGINAL DESIGNED	UPDATED	UPDATE DRAWN	APPROVED
S. HUYNH Dec-13-02	S. HUYNH Dec-13-02	S. HUYNH Aug-29-13	P. TRAN Aug-29-13	S. HUYNH Aug-29-13

REV	DATE	DESCRIPTION
D	3CVE1	5G1616RR-PP-XTT-1

NMO Connector Option is Now Available for Some Antennas