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SPECIFICATIONS

	L1/L2 GPS		Rx L-BAND	Tx L-BAND	IRIDIUM
	L1: (1575.42 ±12)	L2: (1227.60 ±12)	(1542.50 ±17.5)	(1642.50 ±17.5)	(1602-1626)
FREQUENCY(MHZ):	3.5" Dia. GP	4 ft G.P.	3.5" Dia. GP	4 ft G.P.	3.5" Dia. GP
ANTENNA GAIN (dBic):	+5.5	+4.5	+3.3	+4.9	+4.3
@ 90° (ZENITH):	-1.2	-1.4	-3.8	-3.6	-3.7
@ 10° Elevation:	+0.3	+1.4	-2.0	-0.1	-2.0
@ 20° Elevation:	+1.8	+2.2	-0.5	-1.8	-1.3
@ 30° Elevation:	>4.8	>3.8	>2.7	>3.0	>2.0
@ 60 - 90° Elevation:	106 Deg.	130 Deg.	106 Deg.	75 Deg.	106 Deg.
BEAMWIDTH(3dB):					
POLARIZATION:	RHCP		RHCP/LHCP		RHCP
RADIATION PATTERN:	HEMISPHERICAL				
VSWR:	< 1.5:1				
IMPEDANCE:	50 ohms				
AXIAL RATIO:	2 dB				
LIGHTNING PROTECTION:	DC GROUNDING				
POWER HANDLING:	200 Watts CW				

MECHANICAL:

SIZE: LENGTH: 2.080 in. [52.78 mm], WIDTH: 2.080 in. [52.78 mm]
 HEIGHT: 0.657 in. [16.69 mm], .499 in. [12.67mm] (No Radome option)
 WEIGHT: 2.88 oz. (82 g)
 FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
 MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
 CONNECTOR: SMA FEMALE (OPTION: TNC, TNC-Bulkhead, N, N-Bulkhead, MCX, MMCX, 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-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

ACCEPTANCE TEST PROCEDURE: ATP-GPS-L1L2-100

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

QUANTITY RECORD

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	REV
1	ADHESIVE GASKET	12345C-3M-1C				5
1						3
1						2
1						1
-2	-1					

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRACTIONS: DECIMALS: ANGLES: ± 1/64 ± .005 ± 1°

TOLERANCE 5/16 PER AND 1/4 & 3/8 REMOVE ALL BURRS BREAK EXTERNAL EDGES .006 TO .016 FILED & .006 TO .016 SAYS ON A COMMON & 2/1008 MACHINED SURFACES 2/1008 DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA

2.0" SQ., Bottom Con. L1/L2 GPS/RHCP-INMARSAT/IRIDIUM & LHCP-L-BAND ANTENNA

D 3CVE1 1G1216RL-P-XSS-3

SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas