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"HF" for High Iridium/Inmarsat/Thuraya-Rejection Front End Filter Option: -22dB@1616MHz, -34dB@1660MHz

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Dimensions:
 Diameter: 3.500 [88.90]
 Height: .775 [19.69]
 Mounting holes: 4x .190-32UNC-2B, 0.250" Deep, Equally Spaced on 1.375" Rad. for Optional Mounting
 Screws: 4x .20 [05.11] Thru. .385 [9.78] X 100" for 10-32 MOUNTING SCREWS
 Connector: TNC FEMALE CONNECTOR (OPTION: SMA, TNC Bulkhead, N, N Bulkhead, MCX, MMCX, or Cable)
 Phase Centers: X, Y Phase Center, Z Phase Center
 Surface Finishes: 0.25" [6.37] (MCX/MMCX), 0.46" [11.68] (SMA/R-SMA), 0.57" [14.53] (TNC), 0.83" [21.00] (TNC-BH), 0.72" [18.29] (N, N-BH)
 Radii: R6.000 [R152.40], R.035 [R0.89]

SPECIFICATIONS

ZONE	REVISIONS				
	REV	DESCRIPTION	DATE	APPROVED	

ELECTRICAL:

	L2/L3 GPS/ L2/L3 Glonass/ ESA/ESB/E6 Galileo	L2 GPS	Rx L-Band/ L6 Galileo	L1 GPS/ L1/E1/E2 Galileo	L1 Glonass
FREQUENCY (MHz):	(1146-1301)	(1227.60±12)	(1525- 1560)	(1555- 1595)	(1602- 1626)
ANTENNAGAIN (dBic)		Free Space 4 ft G.P.	Free Space	Free Space 4 ft G.P.	Free Space
@ 90 ° (ZENTH):		+3.3 +4.9	+3.1	+5.5 +4.5	+4.3
@ 10 ° Elevation:		-3.8 -3.6	-3.7	-1.2 -1.4	-2.2
@ 20 ° Elevation:		-2.0 -0.1	-2.0	+0.3 +1.4	-0.6
@ 30 ° Elevation:		-0.5 -1.8	-1.3	+1.8 +2.2	+0.8
@ 60 - 90 ° Elevation:		>2.7 >3.0	>2.0	>4.8 >3.8	>+3.5
BEAMWIDTH (3dB):		106 Deg. 75 Deg.	106 Deg.	106 Deg. 130 Deg.	106 Deg.
RADIATION PATTERN:	HEMISPHERICAL				
POLARIZATION:	RHCP				
VSWR:	< 1.5:1				
IMPEDANCE:	50 ohms				
AXIAL RATIO:	3 dB				
LIGHTNING PROTECTION:	DC GROUNDING				
LNA OPTION					
LNA GAIN:	40 dB (-A4), 20 dB (-A2), 35 dB (-A)				
LNA NOISE FIGURE:	2 dB				
LNA P1dB Out:	+13 dBm				
LNA DC POWER:	(2.5-24)Volts @ < 39 mA				
POWERHANDLING:	200 Watts CW (WITHOUT LNA), 1 Watt CW (WITH LNA)				

SIZE: DIAMETER: 3.50 in. [88.90 mm]
HEIGHT: 0.775 in. [19.69 mm]

WEIGHT: 8.8 oz. (249 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL WITH NICKEL PLATED BASE

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

CONNECTOR: TNC FEMALE CONNECTOR (OPTION: SMA, 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 SEAL

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

QUANTITY REQD	DESCRIPTION	PARTS LIST	PART NO	FINISH	TRF NO
4	MOUNTING SCREWS: 10-32, 3/4"		MS24693C274		5
1	5" DIA. GROUND PLANE (Optional)		12G1215P001-B8 Rev A		3
1	SURVEY ANTENNA MOUNT (Optional)		MTR-3 Rev A		2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 TOLERANCES: FRACTIONS: DECIMALS: ANGLES: ± 1/64 ± .015 ± .015 ± 1°
 TOLERANCE SHIP PER ANSI Y14.5
 REMOVE ALL BURRS
 BREAK EXTERNAL EDGES .006 TO .016
 FILED IF .006 TO .009
 SCREW THREADS PER MIL-E-8879
 DATA ON A COMMON S. L. 2.0
 MACHINED SURFACES: 12.5
 DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA
 Active L1/L2 GPS, Glonass/L-Band/Galileo Antenna

DESIGNED BY: M. BOAS 01-05-29
 ENGINEER: S. HUYNH 01-05-29
 APPROVED: S. HUYNH 01-05-29
 DATE FILED: 01-05-29

SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas