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"-HF" for High Iridium/Inmarsat/Thuraya-Rejection Front End Filter Option: -22dB@1616MHz, -34dB@1625-1660MHz

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	L1: (1575.42 ±13) MHz	O: (1542.5 ±17.5) MHz	L2: (1227.60 ±13) MHz
RADIATION PATTERN:	HEMISPHERICAL		
POLARIZATION:	RHCP		
VSWR:	< 1.5:1		
IMPEDANCE:	50 ohms		
ANTENNAGAIN (dBi):	3.5" Dia. G.P	4 ft G.P.	3.5" Dia. G.P
	4 ft G.P.	3.5" Dia. G.P	4 ft G.P.
@ 90° (ZENITH):	+4.1	+2.5	+5.7
@ 10° Elevation:	-3.5	-3.0	-1.8
@ 20° Elevation:	-2.1	-0.2	-0.4
@ 30° Elevation:	-2.8	+0.8	+0.9
@ 60-90° Elevation:	> 2.5	> 1.8	> 4.1
BEAMWIDTH(3dB):	87 Deg.	139 Deg.	89 Deg.
			139 Deg.
			97 Deg.
			75 Deg.
AXIALRATIO:	2 dB		2 dB
LIGHTNINGPROTECTION:	DC GROUNDING		
LNA GAIN:	20 dB (...A2-...), 40 dB (...A4-...)		
LNA NOISE FIGURE:	1.9 dB		
LNA P1dB Out:	+13 dBm		
LNA DC POWER:	(2.5-24) V / < 35 mA		
POWERHANDLING:	1 Watt CW		

MECHANICAL:

SIZE: DIAMETER: 2.67 in. [67.82 mm]
HEIGHT: 0.845 in. [21.46 mm]

WEIGHT: 4.00 oz. [113 g]

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

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

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 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	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1	ADHESIVE GASKET	12345G-3M-1G	-	-	-	5
1						2
1						1
-2	-1					

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

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ACTIVE L1/L2 GPS/OMNISTAR/GALILEO
P/N: 2GO1215A4-MNS-1
ANTCOM CORPORATION
Torrance, CA, USA

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SIZE	FREQ BAND	LNA	CABLE LENGTH	CONNECTOR	COLOR
1: 2" SQ	42: ARINC743	GO1216L1/L2GPS/GNSS/L-Band	A: 33 dB Gain	X: NO CABLE	-1: GLOSSWHITE#17925PERFED-STD-595B
1.9: 1.9" SQ	5: 5" CIRCULAR	GO1215L1/L2GPS/L-Band	A4: 40 dB Gain	M: MAG, N: NO MAG	-2: LUSTERLESSGRAY#36320PERFED-STD-595B
2: 2.6" DIA		GO16: L1GPS/GNSS/L-Band	A2: 20 dB Gain	MIN: FLUSHMAG	-3: OLIVEDRAB GREEN#34031PERFED-STD-595B
3: 3.5" DIA		G1216: L1/L2	IP: WITHOUTLNA	N: NB, N: N-Bulkhead	-4: LUSTERLESSBLACK#37038PERFED-STD-595B
4: MINIRARC		GO1116: L1/L2/L3/L5/L6GPS/GNSS/Galileo	#: CABLE LENGTH(IN)	T: TB: TNC, TNC-Bulkhead	

7 6 5 4 3 2 1