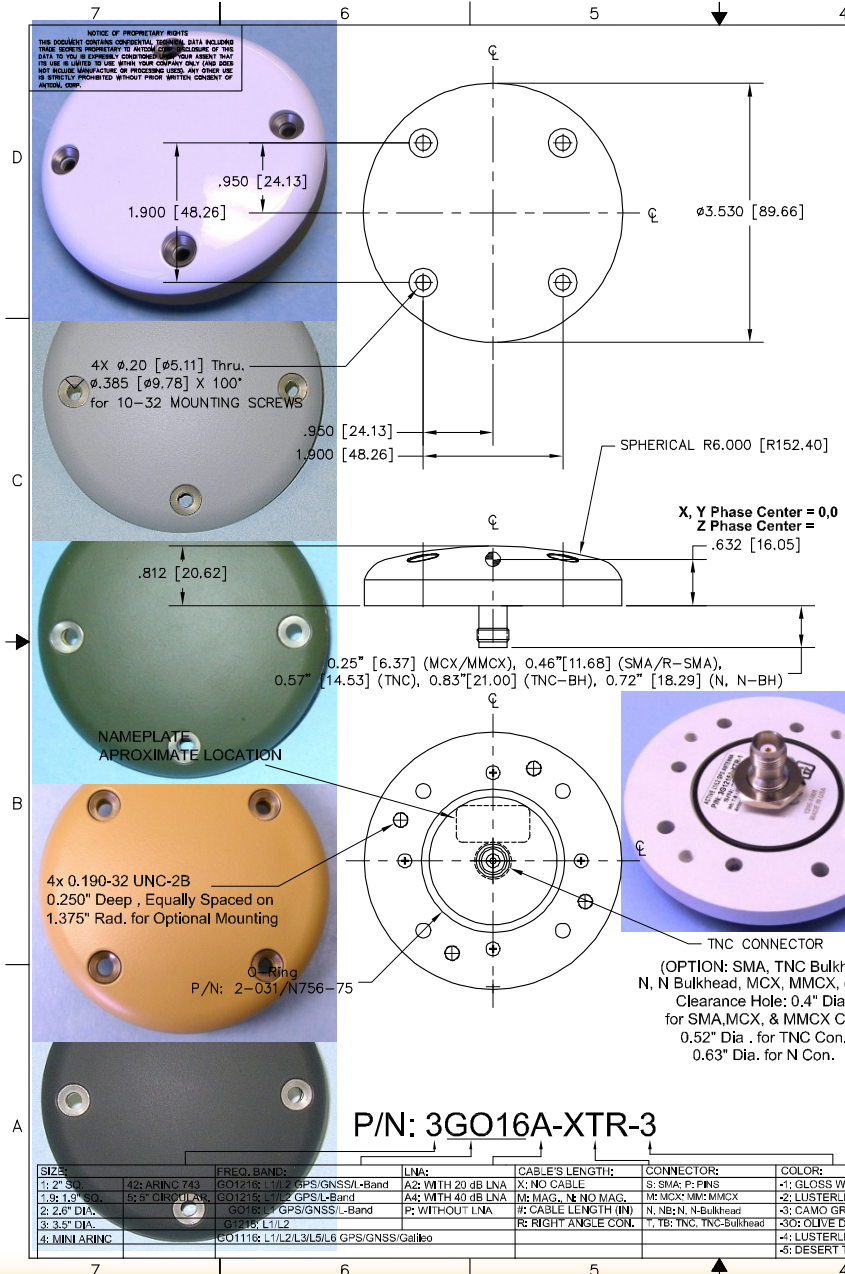


ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . http://www.antcom.com

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



SPECIFICATIONS		REVISIONS																																	
		ZONE	REV	DESCRIPTION	DATE	APPROVED																													
ELECTRICAL:																																			
FREQUENCY (MHz):		Rx L-Band/L6 Galileo (1525 - 1560)	L1 GPS/L1/E1/E2 Galileo (1555 - 1595)	L1 Galonass (1602 - 1626)																															
ANTENNA GAIN (dBi):		Free Space	Free Space	4 ft G.P.	Free Space																														
@ 90 ° (ZENITH):		> +2.5	+5.5	+4.5	> +3.3																														
@ 10 ° Elevation:		> -4.7	-1.2	-1.4	> -3.2																														
@ 20 ° Elevation:		> -3.0	+0.3	+1.4	> -1.6																														
@ 30 ° Elevation:		> -2.3	+1.8	+2.2	> -0.2																														
@ 60 - 90 ° Elevation:		> +2.0	> 4.8	> 3.8	> +2.5																														
BEAM WIDTH (3dB):		106 Deg.	106 Deg.	130 Deg.	106 Deg.																														
RADIATION PATTERN:		HEMISPHERICAL																																	
POLARIZATION:		RHCP																																	
VSWR:		< 2.0:1																																	
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:		3.0 dB																																	
LNA P1dB Out:		+13 dBm																																	
LNA DC POWER:		(2.5-24)Volts @ < 39 mA																																	
POWER HANDLING:		200 Watts CW (WITHOUT LNA) , 1 Watt CW (WITH LNA)																																	
MECHANICAL:																																			
SIZE:		DIAMETER: 3.53 in. [89.66 mm] HEIGHT: 0.812 in. [20.62 mm]																																	
WEIGHT:		8.0 oz. (226.8 g)																																	
FINISH:		SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDIUM PER MIL-C-5441																																	
MATERIAL:		6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE, AND FIRE RETARDANT																																	
CONNECTOR:		TNC FEMALE (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																																	
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NMO Connector Option is Now Available for Some Antennas