

NOTES: UNLESS OTHERWISE SPECIFIED

1. NUT 5/8"-11 AND WASHER SUPPLIED BY AEROANTENNA.
2. TOLERANCES: .XX = ±.03
.XXX = ±.010

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
3		12/14/11	

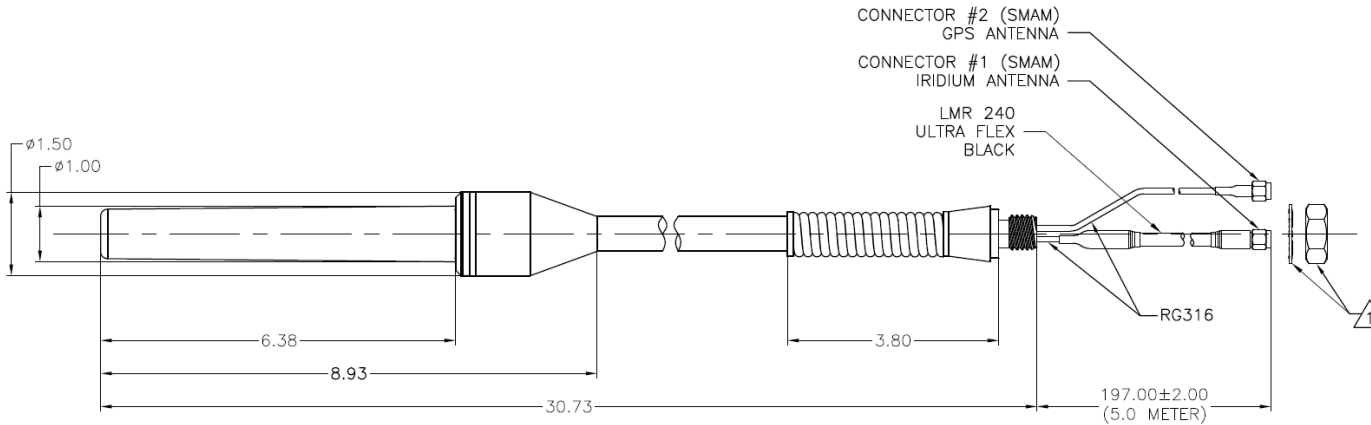
IRIDIUM SPECIFICATION:

FREQUENCY: 1616.0-1626.5 MHz
 POLARIZATION: RIGHT HAND CIRCULAR
 AXIAL RATIO: 3 dB MAX AT BORE SIGHT.
 RADIATION COVERAGE: +1.1 dBic $\theta = 0^\circ$
 +1.5 dBic $0^\circ < \theta < 45^\circ$
 +0.25 dBic $75^\circ \leq \theta < 82^\circ$
 IMPEDANCE: 50 OHMS
 VSWR: ≤2.0:1
 POWER HANDLING: 10 WATTS
 CONNECTOR: SMA MALE

GPS SPECIFICATION:

FREQUENCY: 1575 ±10 MHz
 POLARIZATION: RIGHT HAND CIRCULAR
 AXIAL RATIO: 3 dB MAX
 RADIATION COVERAGE: +0.6 dBic $\theta = 0^\circ$
 0 dBic $\theta < 80^\circ$
 -0.3 dBic $\theta < 85^\circ$
 -1.0 dBic $\theta = 90^\circ$

AMPLIFIER:
 GAIN: 26 ± 2 dB
 NOISE FIGURE: 2.5 dB MAX
 IMPEDANCE: 50 OHMS
 VSWR: ≤2.0:1
 VOLTAGE: 3.3 VDC (35 mA)
 POWER HANDLING: 1 WATT
 CONNECTOR: SMA MALE
 FINISH: WEATHERABLE POLYMER BLACK
 WEIGHT: 29 OZ
 ALTITUDE: 20,000'
 OPERATING TEMP: -40°C TO +85°C



DO NOT SCALE THIS DRAWING REMOVE BURRS AND BREAK SHARP EDGES. PART TO BE CLEAN AND OIL FREE. ALL DIMENSIONS ARE IN INCHES DIMENSIONING & TOLERANCING PER ASME Y14.5M-1994 TOLERANCES: XXX-±.01- FRACT = ±1/32 XXX-±.005- ANG. = ±1/2° ✓ SURFACE ROUGHNESS MACHINED PARTS V63 MOLDED PARTS V32		DRAWN A. GUTIERREZ	12/14/11	Beam Communications
		CHECKED		
		ENGR		RST 706- GPS / Iridium
		MFG		
		Q.A.		SIZE B
		APPROVED		CAGE CODE
HOLE DIA. TOLERANCE				Dual Mode Whip Antenna
.0135 - .125 +.004 -.001				REV 3
.126 - .250 +.005 -.001				
.251 - .500 +.008 -.001				
.501 - .750 +.008 -.001		DRAWN IN CAD		SCALE NONE I
NEXT ASSY				SHEET 1 OF 1

PROPRIETARY NOTE: This document contains information of AeroAntenna Technology Inc. (AAT). Neither the document nor said proprietary information shall be published, reproduced, copied, disclosed or used for any other purpose other than consideration of document without the express written permission of said AeroAntenna Technology Inc.