

Airborne GNSS Antenna



FEATURES

Tracks GPS/GLONASS/C-Nav[®] Corrections/SBAS

Ideal for airborne and other mobile applications

Supports government, military, and OEM applications

Airborne

Antenna Technical Data

Frequencies

GPS L1	1575.42 MHz, \pm 16 MHz
GPS L2	1227.60 MHz, \pm 16 MHz
GPS L2C	1227.60 MHz, \pm 16 MHz
GPS L5	1176.45 MHz, \pm 16 MHz
C-Nav® L-band	1525 -1585 MHz
GLONASS G1	1603.00 MHz, \pm 6.5 MHz
GLONASS G2	1247.00 MHz, \pm 5 MHz

Specifications

Polarization	Right Hand Circular (RHC)
Pre-amplifier	39 dB gain (+/- 2 dB)
Noise figure	2.6 dB (maximum)
Impedance	50 ohm
VSWR to return loss	\leq 2:1 (14 dB return loss)
Band rejection	20 dB @ 250 MHz

Power requirements

Input voltage	4.2 V - 15 V DC
Power consumption	50 mA @ 5 V DC
Radio frequency (RF) handling power	1 W

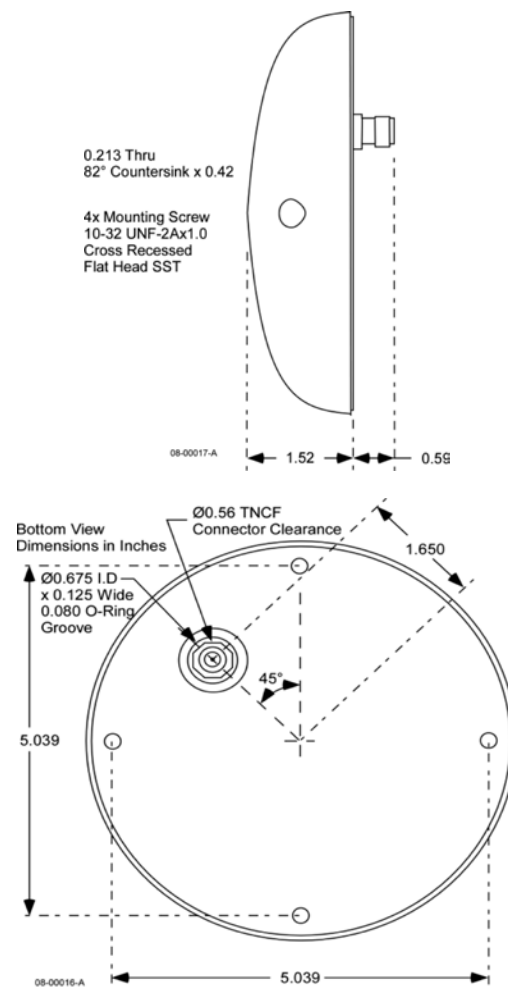
Environmental

Vibration	RTCA/DO-160E Section 8, curve D
Immersion	MIL-STD-810F, method 512.4
Operating temperature	-67° F to 185° F / -55° C to 85° C
Altitude	70,000 ft / 21,336 m
Water/dust	IP67

Mechanical

Antenna finish	Fluid-resistant ULTEM, UV stable
Cable connector	TNC female
Dimensions	5.75 in x 1.52 in / 146 mm x 39 mm
Weight	1 lb / 0.45 kg
Mounting	4 x mounting screws 10-32 UNF-2A threads

Dimensions



■ For more information: oceanearing.com/cnav

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