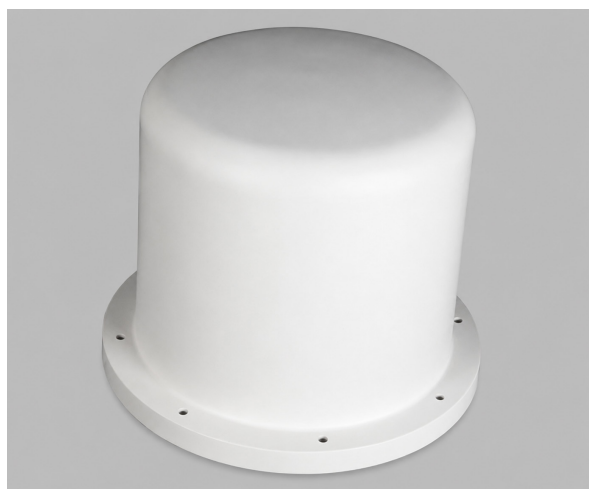


Airborne Broadband Omni-Directional Antenna Type 201564-3

TRAK TECOM introduces a new airborne qualified broadband omni-directional antenna.

The 201564-3 antenna covers the frequency range of 0.5-18 GHz. It is one of the smallest omni-directional antennas on the marketplace today. It is designed to be installed on aircraft and meets the exacting environmental specifications required for such usage. A separate radome is not required. The antenna is slant linear polarized so that it can receive horizontal, vertical, right hand circular and left hand circular polarized signals.



Environmental Specifications

Operating Temperature:	-54 deg C to + 85 deg C
Humidity:	100% condensing per MIL-STD-810F, Fig 507.4-1
Altitude:	40,000 feet
Airspeed:	500 mph
Vibration:	MIL-E-5400T, Fig 2, Curve IVa
Shock:	18 shocks, 15G amplitude, 3 axis, 11 msec per axis Per MIL-E-5400T Para 3.2.24.6.1

Electrical Performance Specifications

Frequency Range:	0.5-18 GHz
Polarization:	Slant linear
Antenna Gain*:	0.5 GHz: -6 dBi average 1.0 GHz: -5 dBi average 2 GHz: 0 dBi average 4 GHz: -2 dBi average 8 GHz: 1 dBi average 18 GHz: 0 dBi average
VSWR:	0.5-1 GHz: < 6.5:1 1-18 GHz: < 3.0:1
Elevation Beamwidth:	30 degrees typical
Omni Deviation:	+/-3 dB max
RF Connector:	Type N female
Power Handling:	5 Watts CW
Physical Size:	10.25" Dia - 9.1" Height
Weight:	8 lbs. approx

*Gain values are measured at the output connector to matched polarization.

Average gain values are the average values at a single frequency over all azimuth angles.



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