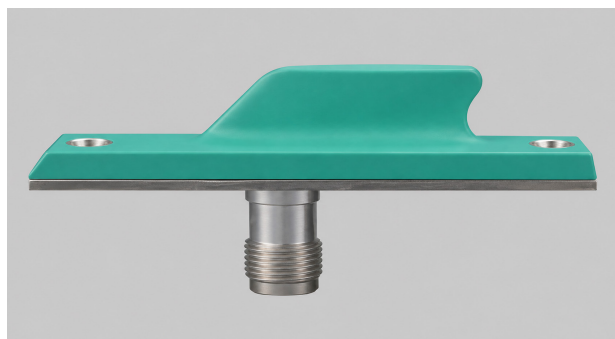


Blade Antenna for Tactical Common Datalink (TCDL) Applications



TRAK TECOM has a diverse line of rugged airborne instrumentation antennas that provide high data-rate communication capabilities for airborne vehicles. Our standard product line includes antenna products that are scalable in frequency, and offer superior performance for mission requirements from UHF to Ku-Band.

The TRAK TECOM series of airborne antennas serves a critical need for use on small and medium-sized vehicles where internal space is not available for flush cavity antennas. Their streamlined aerodynamic form yields a lightweight, low-drag antenna, which universally mounts to any vehicle structure with minimal modification.

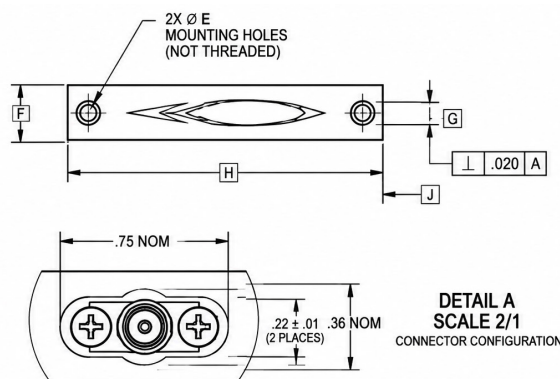
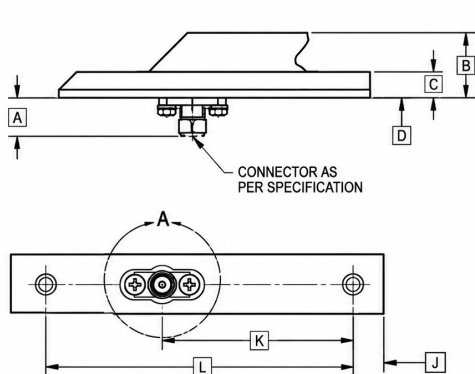
TRAK TECOM's omni-directional airborne TCDL antenna operates from 14.4-15.35 GHz in Ku-Band, and is linearly polarized. Each bi-convex blade antenna is pre-tuned to customer specifications within the TCDL frequency band. Models are available for both higher and lower temperature applications, and all are designed to operate as single, stand-alone antennas, or in arrays of two, three or more. RHCP or LHCP polarizations, as well as matching power dividers used specifically for multi-antenna array applications, are also available.

Standard Features

- 14.4–15.35 GHz frequency coverage
- Linear polarization
- Rugged, high-thermal characteristics
- Small, lightweight, rigid structure
- Low aerodynamic drag

Applications

- Tactical common datalink
- Airborne data relay
- High-performance airborne vehicles
- Airborne communications
- Border surveillance
- Signal intelligence



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