

Asset Tracking Internal Antenna

Cellular|Blade



QUAD-BAND ANTENNA IS IDEAL FOR STEALTH APPLICATIONS

The Blade antenna provides versatile options for stealth applications and includes AMPS, GSM, DCS, and PCS cellular radio frequencies. The antenna provides multiple application options with high gain performance and measures only 125.5 x 34 x 5.1mm, allowing covert installation into vehicle interiors. The antenna can be paired with the Internal GPS antenna, part #637108, to support combined cellular plus GPS function.

Laird Technologies is a leading supplier of mobile antenna solutions for automotive, asset tracking and consumer electronics industries. Products include cellular antennas (AMPS, GSM/DCS/PCS, UMTS), GPS antennas, entertainment antennas (AM/FM, DAB, DVB-T, Satellite radio, TV), mobile communication antennas (Bluetooth, DSRC, RKE, TPMS, WiFi), satellite communication antennas and battery packs.

Leveraging our experience in M2M wireless modules, Laird Technologies also designs smart antennas integrating functionalities such as cellular, WiFi and Bluetooth® modems, GPS receivers and vehicle networking. All of these capabilities can be further integrated into M2M Devices, that add control electronics and firmware to provide the latest evolution in telematics systems.

FEATURES

- Slim, flexible design for easy integration into vehicles
- Compact, ideally suited for stealth applications
- Maximum passive gain within form factor

BENEFITS

- Low total-cost implementation
- Easy installation
- Easy concealment
- Small package size
- Meets enhanced environmental specifications

APPLICATIONS

- General automotive aftermarket
- Fleet logistics, tracking, and diagnostics
- Theft protection
- Vehicle and asset recovery
- Navigation systems
- Infotainment systems
- On-board computing

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Innovative Technology
for a Connected World

Asset Tracking Internal Antenna Cellular|Blade

Blade

AMPS

GSM

DCS

PCS

ANTENNA SPECIFICATION

Frequency Range	824-894 MHz	880-960 MHz	1710-1880 MHz	1850-1990 MHz
Peak Gain	2.3 dBi	2.3 dBi	2.1 dBi	3.1 dBi
Polarization	Linear	Linear	Linear	Linear
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Output VSWR (Min. Performance)	$\leq 2:1$	$\leq 2:1$	$\leq 2:1$	$\leq 2:1$

MECHANICAL SPECIFICATION

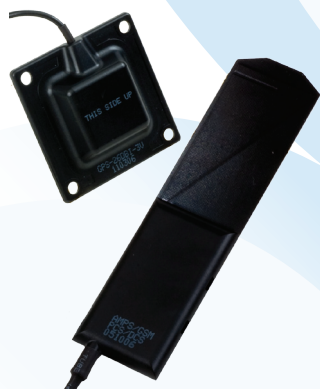
Dimension	125.5 x 34 x 5.1mm
Radome Material	Cycoloy
Connector	SMC
Cable Length	4000 mm
Cable Type	RG-174 Coaxial
Mounting Method	Velcro, Adhesive

ENVIRONMENTAL SPECIFICATION

Operating Temperature	-40° to +85°C
Humidity	Operation 95% RH at 65°C
Ingress Protection	IP-50
Drop Test / Shock	50 g shocks 10x3 axis / 1 meter drop 6 axis
Vibration	10-1000 Hz vibration 1 hour 3 axis

ORDERING INFORMATION

Part Number	637109
Customization available w/MOQ	Cable type, length, connector type, mounting style



TEL-DS-Internal-Blade 1210

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Order with 637108 for a combination
GPS/Cellular solution. Part #637110.