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Activv handset device antenna provides superior performance in a miniature size

Laird Technologies' new Activv Antenna is a miniature FM antenna solution that is embedded directly inside a handset device. This state-of-the-art antenna provides the combination of impedance matching and signal amplification capabilities improving the performance of the entire electronic system.

Features and Benefits:

- Improved sensitivity of 5 dB over competitive antennas allows the antenna to perform well in close proximity of the body as well as in "free space" improving the performance of the total system
- Reduced size of 25 percent over competitive antennas allows Activv to fit into smaller applications
- Better performing antenna is available for same price as larger competition antennas

Applications:

- Mobile phones
- Headsets
- Gaming devices
- Consumer devices
- Portable or wearable wireless devices

For sales information:

In the USA please telephone +1-800-323-3757

In Asia please telephone +886-2-2286-2828

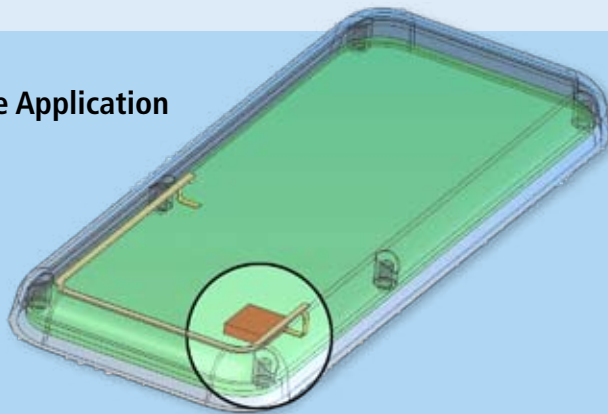
In Europe please telephone +46-8-555-722-00

or visit: www.lairdtech.com

Antenna Specifications

Parameter	Min	Nominal	Max	Unit	Conditions
Frequency Range	76		108	MHz	
G/T	-60/-62		-55/-57	dBi/K	Open/closed
G equivalent	-35	-30		dBi	with 6 dB NF in the FM receiver
Polarization		Linear			
Nominal Impedance		50		ohm	
Return Loss		-10	-5	dB	
DC Voltage	2.5		4		V
DC Current Consumption		3		mA	
Radiating Element Size		Optimized per device		mm	
PWB area required		6x6		mm	
Crosstalk IP3 at 824-2000 MHz	47	50 to 60		dBm	Input power to GSM/WCDMA antenna

Mobile Phone Application



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