



### NanoAnt™

The NanoAnt™ BT 2.0 can be used in applications including 802.11 b/g and 802.11n MIMO. It comes in a miniature SMT package (10mm x 3mm x 4mm) and is available on tape and reel. The antenna is an electrically small antenna exhibiting an omnidirectional radiation pattern.

Optimized performance can be achieved utilizing the Laird Technologies provided matching circuit. A unique feature of this antenna is its ability to be mounted directly over a ground plane creating a significant advantage to a system design.

### FEATURES

- Optimized for WLAN applications at 2.4 GHz
- No keep space or board clearance is required and can be used directly over a ground plane
- Low cost, small size

### MARKETS

- Used in WLAN 802.11b/g and 802.11n MIMO applications

### global solutions: local support.™

Americas: +1.847.839.6907  
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12  
IAS-EUSales@lairdtech.com

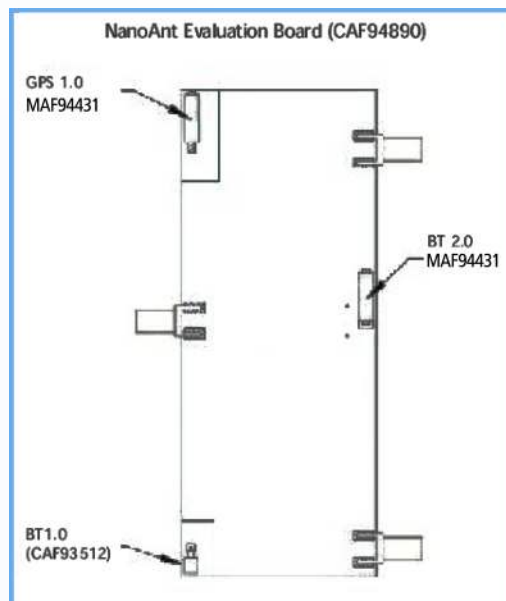
Asia: +1.65.6.243.8022  
IAS-AsiaSales@lairdtech.com

[www.lairdtech.com](http://www.lairdtech.com)

SPECIFICATIONS		
Frequency Range	2400 to 2484 MHz	
Efficiency	-3 dB (50%)	
Polarization	Linear	
Nominal Impedance	50 ohms (with matching circuit)	
VSWR / S11 (dB)	2.3:1 / -8 dB	
Temperature Range	-40°C to 85°C	
Vibration	6G RMS or 0.04 G/Hz @ 20-2000 Hz for 15 minutes each axis	
Thermal Shock	32 cycles, 30 minutes each at -40°C and 85°C 20 second transfer time	
Radiating Element Size	10 x 3 x 4mm (L x W x H)	
Physical Mass	0.11 grams	

PART NUMBER	DESCRIPTION	CONNECTOR
MAF94431	Tape and Reel	SMT
CAF94890	Evaluation Board	SMA Female



ANT-DS-MAF94431 0510

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