



**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 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

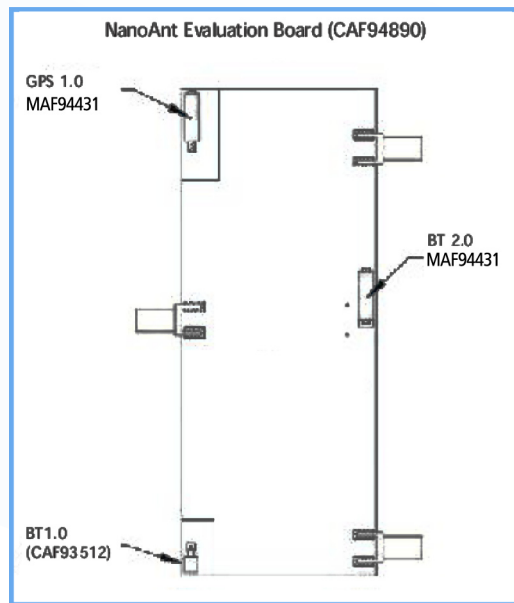
**MARKETS**

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

**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 1214

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