Laird TECHNOLOGIES

NanoAnt™
BT 1.0

global solutions :
local support™

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The NanoAnt™ BT 1.0 is optimized for Bluetooth applications, but can also be used in 802.11 and other general applications in the 2.4 - 2.5 GHz frequency range.

The NanoAnt BT 1.0 comes in a miniature SMT package (2.5mm X 2mm X 2mm) and is available on tape and reel.

The NanoAnt BT 1.0 is an electrically small antenna exhibiting an omnidirectional radiation pattern.

Optimized performance can be achieved utilizing the Laird Technologies provided matching circuit.

Features and Benefits:

- Optimized for Bluetooth applications
- Low cost, small size
- Flexible implementation requiring minimal matching circuitry

Applications:

- Bluetooth, 802.11, and other applications in the 2.4 – 2.5 GHz frequency band

For sales information:
In Asia, please telephone +86-10-67-87-33-11
In Europe, please telephone +46-8-555-722-00
In the USA, please telephone +800-228-4563
or visit: www.lairdtech.com

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Specifications*: PRELIMINARY

- Small and lightweight
- Available in tape and reel packaging
- SMT compatible

Frequency Range	2400 to 2484 MHz
Efficiency	-3dB (50%)
Polarization	Linear
Nominal Impedance	50 ohms (with matching)
VSWR / S11 (dB)	3:1 / -6dB
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	2.5 x 2.0 x 2.0mm (L x W x H)
Physical Mass	0.03 grams

Part Number	Description	Connector
CAF93512	Tape and Reel	SMT
CAF94890	Evaluation board	SMA Female

***Preliminary values**

NanoAnt Evaluation Board (CAF94890)