



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

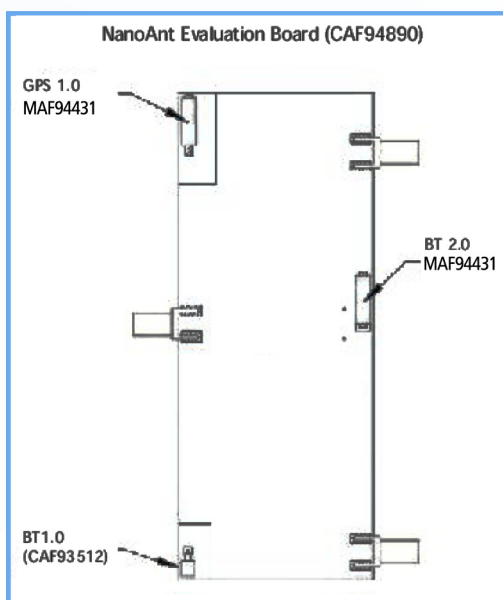
MARKETS

- 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

Any information furnished by Laird Inc. and its agents is believed to be accurate and reliable. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2014 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trade marks or registered trade marks of Laird Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Antennas](#) category:

Click to view products by [Laird Connectivity](#) manufacturer:

Other Similar products are found below :

[CCT FM1](#) [ABFT](#) [AD-NM-SMAF 001-0021](#) [CTC110](#) [MAF94149](#) [EXE902SF](#) [MMCX-SMA-100](#) [PDQ24496-91NF](#) [GAN30084EU](#) [930-033-R](#) [A08-HABUF-P5I](#) [AAF95035](#) [DG-ANT-20DP-BG-B](#) [APAMPGJ-141](#) [1513563-1](#) [OF86315-FNF](#) [OP24516DS-91NM](#) [A09-HASM-7](#) [EXE902MD](#) [EXE902SM](#) [SPDA17806/2170LAR](#) [APAMPG-117](#) [GPS1575SP26-004](#) [GPS15MGSMA](#) [CMD69273P-30NF](#) [CMQ69273-30NF](#) [RD2458-5-OTDR-NM](#) [RD2458-5-RSMA](#) [TRAB24/49003](#) [W4120ER5000](#) [W6102B0100](#) [YE572113-30RSMM](#) [108-00014-50](#) [SPDA17RP918](#) [OP24516SX-91NM](#) [OP24516SX-91RSMM](#) [CMQ69273P-30NF](#) [CMS69273-30NF](#) [CMS69273P-30NF](#) [TRAB24003N](#) [TRAB24003NP](#) [TRAB8213NP](#) [TRAB8903](#) [A09-Y8NF](#) [A09-Y11NF](#) [A09-HSM-7](#) [A09-F8NF-M](#) [A09-F5NF-M](#)