



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



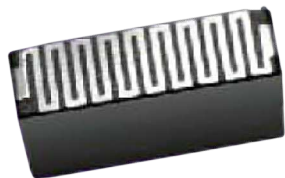
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### NanoAnt™

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

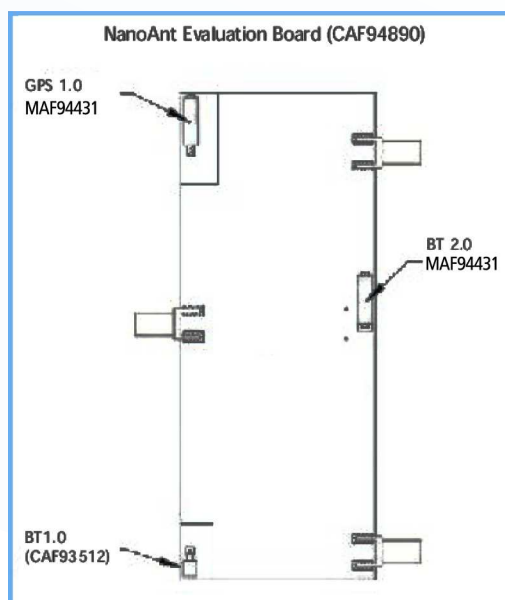
### MARKETS

- 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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