



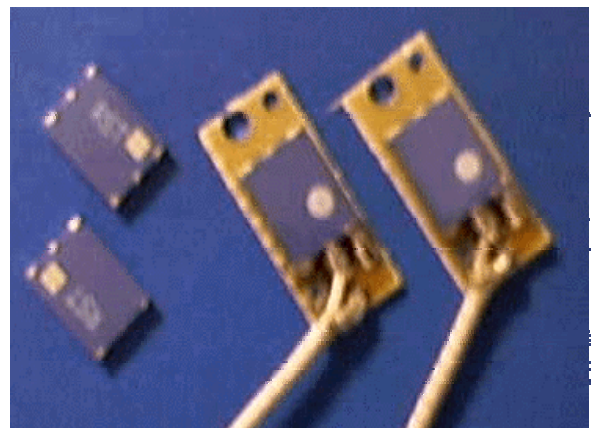
# Perseus Tech. International Corp.

2F,3,Alley3,Lane391,Juang Jing Rd.,Taipei 110,Taiwan,R.O.C.  
TEL: 886-2-27292496 FAX:886-2-27204062  
http://www.p-live.com E-mail : lei@p-live.com

## The Bluetooth Antenna & module

The bluetooth facility is one of the major wireless application in the near future. Bluetooth can be applied in many place, such as WLAN, cell-phone, IA product, PDA, etc. to provide data and voice transformation in short distance at 10 meter( which can be upgraded to 100 meter.).

The bluetooth antenna and module by the *Perseus Tech. Int'l Corp.* is especially design for bluetooth facility application. The small-embedded antenna provides the most reliable, ease to use and adjustment-free antenna technology to solve the problem during assembly and implement by developer.



The bluetooth antenna and module can be provided either only antenna itself or mounted on the small PCB with connector as customer

requirement. The characteristic curve can be adjusted to meet the whole system requirement of bluetooth facility. The details of antenna specification are as followings:

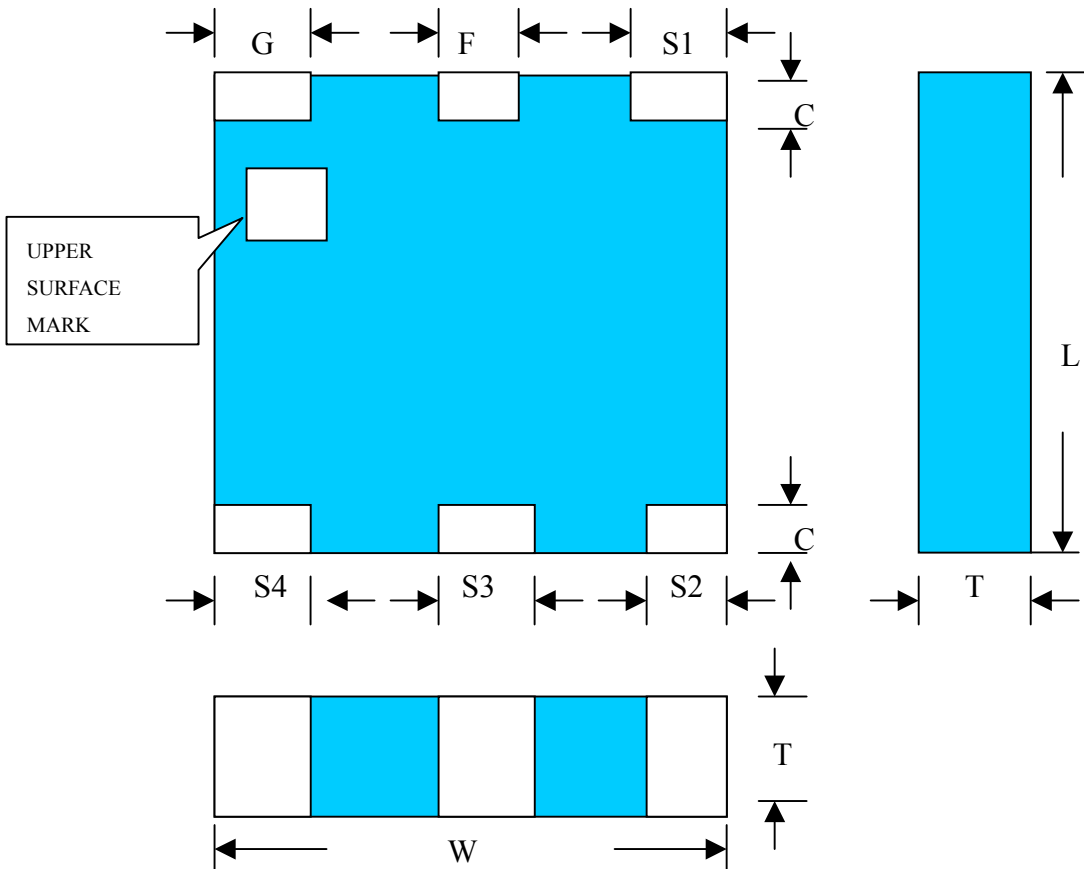
<b>Part NO. : BTA001 (bluetooth antenna with/without PCB,connector)</b>	
<b>ITEM</b>	<b>SPECIFICATION</b>
Size	7.3 x 5.5 x 1.4 mm
Central frequency	2,450 MHz
Bandwidth	140 MHz
Gain	0 ~ 1.2 dBi
VSWR	Less than 2.0 : 1
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Feed Point Impedance	50
Weight	0.16 g



# Perseus Tech. International Corp.

2F,3,Alley3,Lane391,Juang Jing Rd.,Taipei 110,Taiwan,R.O.C.  
 TEL: 886-2-27292496 FAX:886-2-27204062  
 http://www.p-live.com E-mail : lei@p-live.com

## Mechanical Specification of Bluetooth Antenna



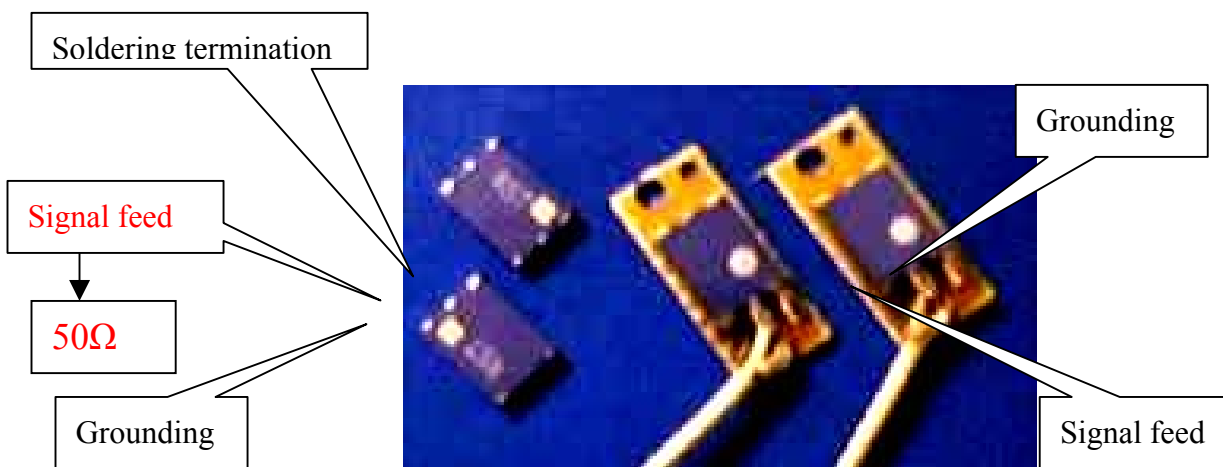
ITEM	DIMENSION	PORT
L	7.3mm	-
W	5.5mm	-
T	1.4mm	-
F	0.8mm	Feed
G	1.2mm	Ground
C	0.3mm	-
S1	1.2mm	Solder Land
S2	1.2mm	Solder Land
S3	0.8mm	Solder Land
S4	1.2mm	Solder Land



# Perseus Tech. International Corp.

2F,3,Alley3,Lane391,Juang Jing Rd.,Taipei 110,Taiwan,R.O.C.  
TEL: 886-2-27292496 FAX:886-2-27204062  
http://www.p-live.com E-mail : lei@p-live.com

## Connection Guide for the grounding and signal feed pin



The grounding pin is the upper pin side of mark.

The signal feed pin is the central one side of the mark. (\*\*Please connect 50Ω in this place.)

The rest four pins are used for welding only.