



Perseus Tech. International Corp.

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The Bluetooth Chip Antenna(2.4GHz) (BTA004)

The Bluetooth and IEEE802.11 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 chip antenna(BTA004) by the *Perseus Tech. Int'l Corp.* is especially design for Bluetooth or other wireless communication facility application. The small-embedded chip antenna provides the most reliable, ease to use and adjustment-free antenna technology to solve the problem during assembly and implement by developer.

The major different between BTA003 and BTA004 are the size and the grounding pin. BTA004 don't need the grounding pin.

The Bluetooth chip antenna(BTA004) 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 customer' s facility. The details of antenna specification are as followings:

Part NO. : BTA004	
ITEM	SPECIFICATION
Product	Chip antenna(2.4GHz)
Size	5.2(L) x 2.0(W) x 1.32(H) mm
Operation/Storage temperature	-40 ~ +85 °C
Central frequency	2,450 MHz
Bandwidth	150 MHz
Peak gain	0.5 dBi
VSWR	2.0(Max.)
Input Impedance	50 Ohm
Power handling	3W (Max)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Weight	0.1 g

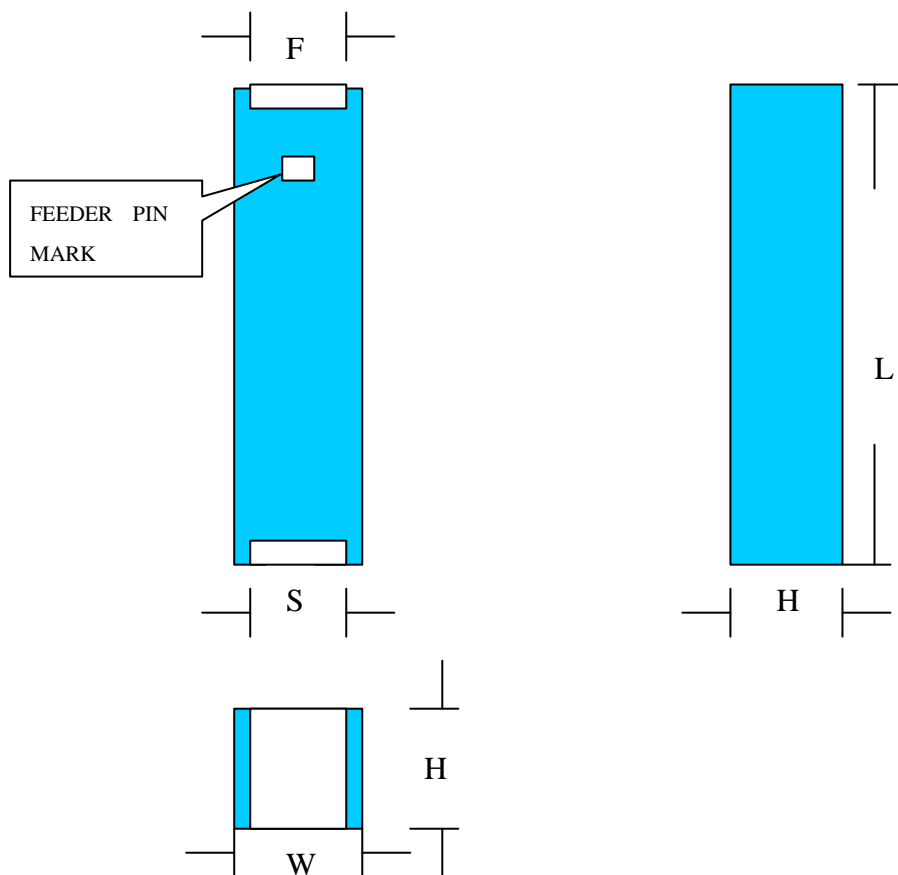


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Mechanical Specification of Bluetooth Antenna

(BTA004)



ITEM	DIMENSION	PORT
L	5.2mm	-
W	2.0 mm	-
H	1.32mm	-
F	----	Feed
S	----	Solder Land