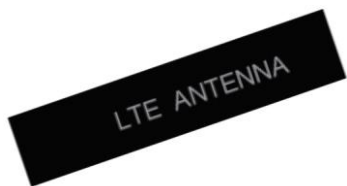


## BTPA Series



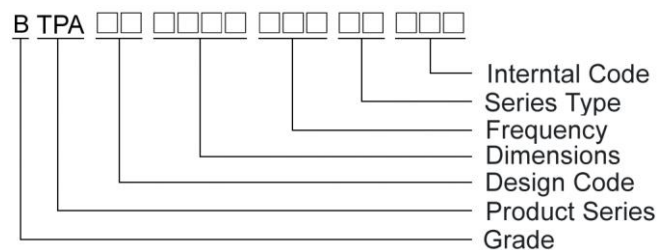
### Features

- Small size low-profile, low cost and lightweight type
- Wide bandwidth and Omni-directional
- Supported with Dip-type, SMD, and Co-axial cable connecting
- Customized

### Applications

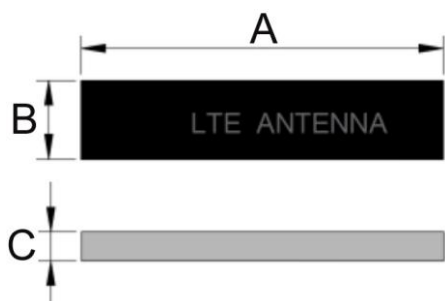
- Bluetooth, Wireless Router, Set Top Box and Home digital
- ISM band, Lora, Sigfox, LTE, NB-IOT, GPS, WiFi and Car use.

### Product Identification

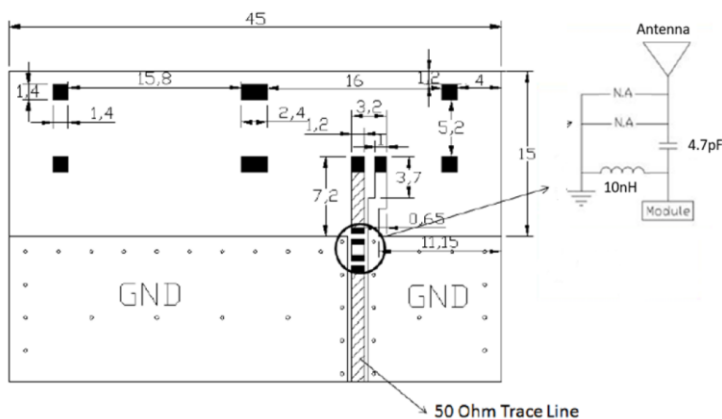


### Shapes and Dimensions

FIG 1



### Recommend foot print for Evaluation Board



Dimensions in mm

TYPE	FIG	A	B	C
BTPA0038084G0D1A01	1	38	8	3

## PCB Chip Antenna BTPA Series

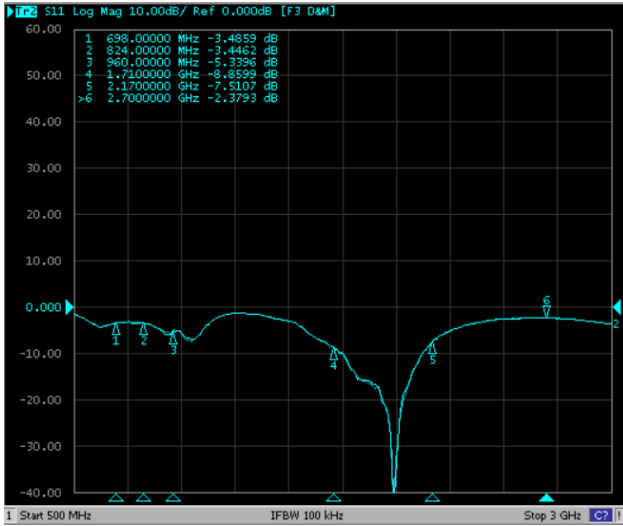
### Electrical Characteristics

Part Number	Frequency Range (MHz)	Impedance ( $\Omega$ )	Return Loss (dB)	Efficiency	Termination
BTPA0038084G0D1A01	698~2690	50	<-3	698~824MHz >20%	Ag (Environmentally-Friendly Pb)
				824~960MHz >40%	
				1710~2170MHz >50%	
				2170~2690MHz >40%	

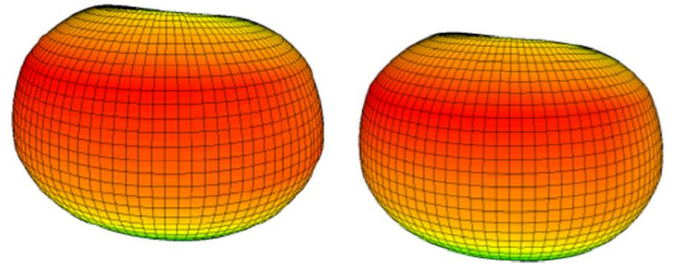
- Operating temperature range – 40°C ~ +80°C
- Storage temperature range – 45°C ~ +85°C

**BTPA0038084G0D1A01**

**Network Analyzer Test**



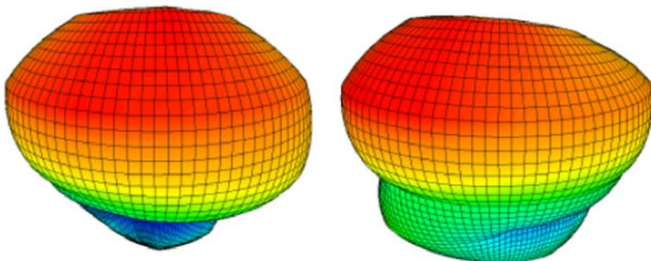
**Peak Gain and Efficiency**



824 MHz

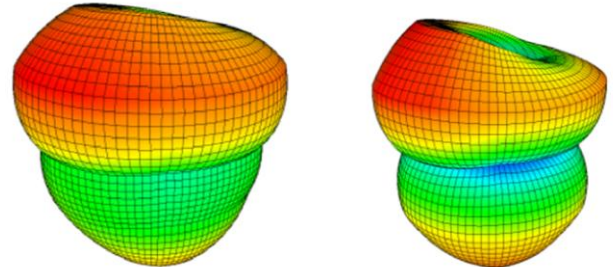
960MHz

Layer	824(MHz)	915(MHz)	960(MHz)
Peak Gain(dB)	-0.52	0.12	-0.31
Efficiency(%)	54.12	58.13	52.37



1710MHz

2170MHz



2100MHz

2700MHz

Layer	1710MHz	1809MHz	1908MHz	2170MHz
Peak Gain(dB)	1.03	1.15	1.13	1.07
Efficiency(%)	68.56	71.12	70.91	69.32

Layer	2100(MHz)	2500(MHz)	2700(MHz)
Peak Gain(dB)	2.13	1.35	1.16
Efficiency(%)	77.71	45.14	43.5

Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before

# PCB Chip Series Antenna – BTPA Series

## Packaging Specifications

Dimensions in mm

TYPE	FIG	Tape Dimensions										Packing Specification		Quantity
		A0	B0	T	E	W	P	P0	F	K0	Bundle	PE Bag	PCS / REEL	
BTPA003808	-	-	-	-	-	-	-	-	-	-	-	25	100	-

单击下面可查看定价，库存，交付和生命周期等信息

[>>CHILISIN\(奇力新\)](#)