

BTCA Series



Chilisin offer multilayer devices of Low-Temperature Cofired Ceramics for applications in wireless communication as WLAN, Bluetooth etc. Our commitment is to meet your goals through extensive technological innovation, excellent quality, short lead time and high volume production capability.

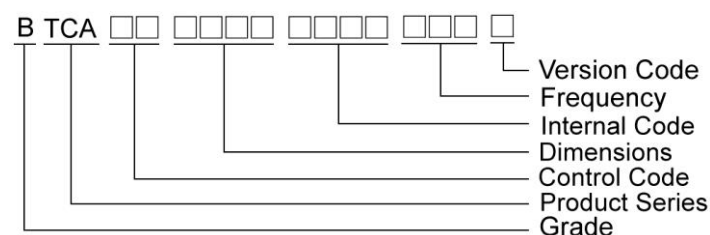
Features

- Monolithic SMD with small
- Low-profile and light-weight type

Applications

- Bluetooth
- 2.4GHz Wireless LAN
- Home RF
- Consumer electronic

Product Identification



Shape and Dimensions

FIG1

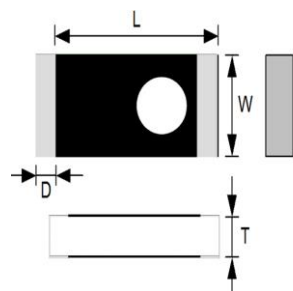


FIG2

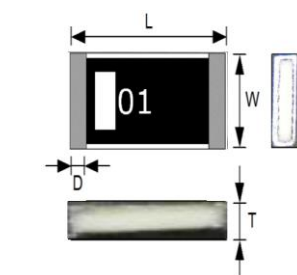


FIG3

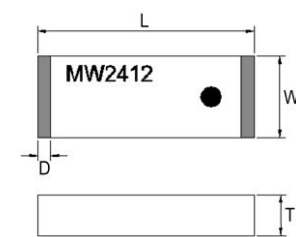
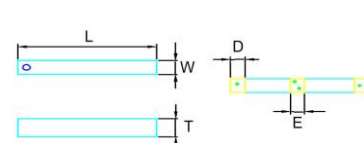


FIG4



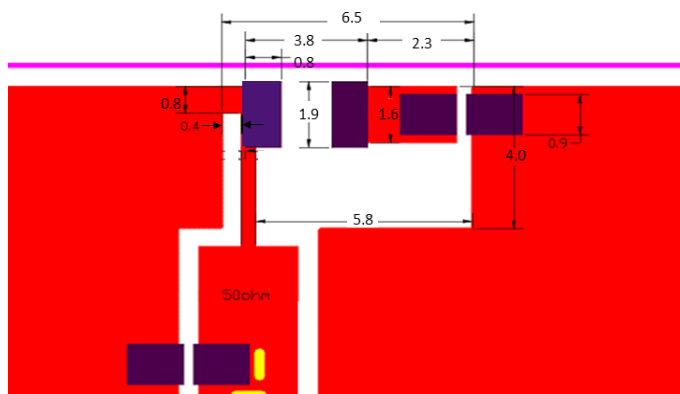
Dimensions in mm

TYPE	FIG	L	W	D	T
BTCA003216080025GE	1	3.2±0.2	1.6±0.2	0.5±0.2	0.5±0.2
BTCA00321609002G4W	2	3.0±0.2	1.5±0.2	0.2±0.2	0.5±0.2
BTCA00321609005G0W	2	3.2±0.2	1.6±0.2	0.5±0.2	0.5±0.2
BTCA005020100025GM	3	5.0±0.4	2.0±0.4	0.3±0.2	1.0±0.2

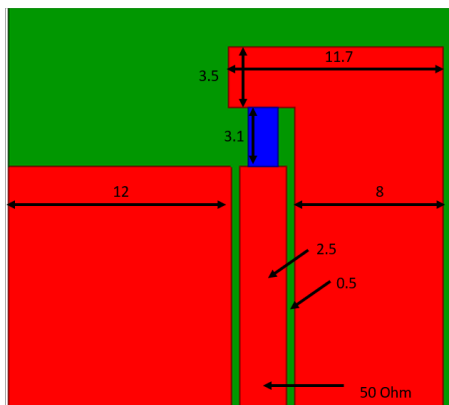
SMD Chip Series Antenna – BTCA Series

Recommended Pattern

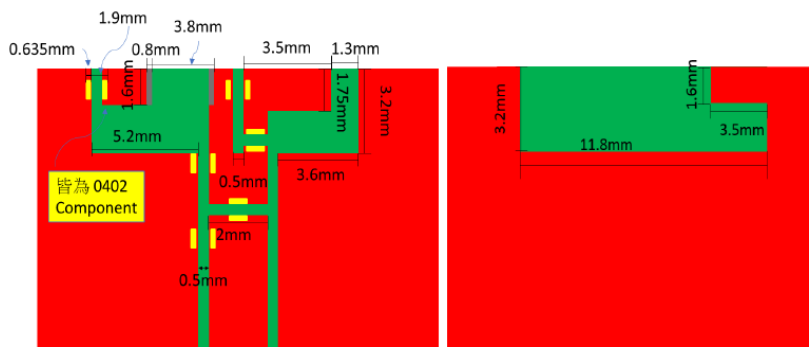
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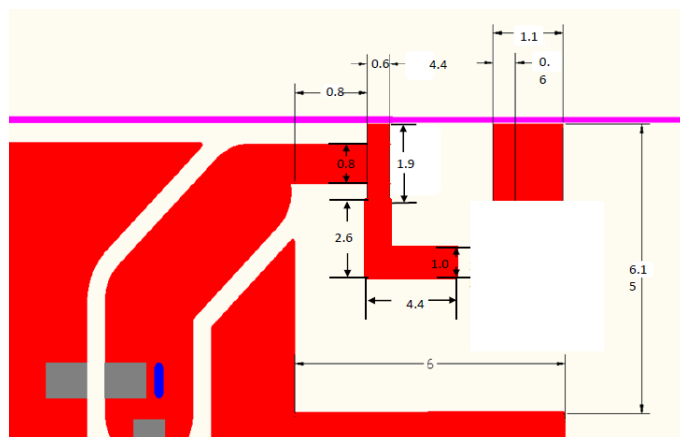
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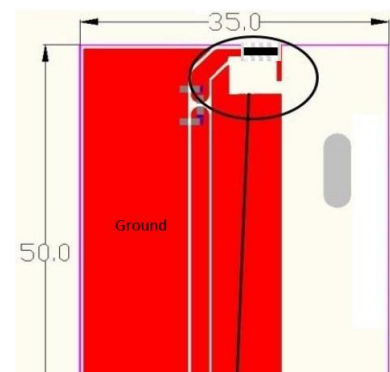
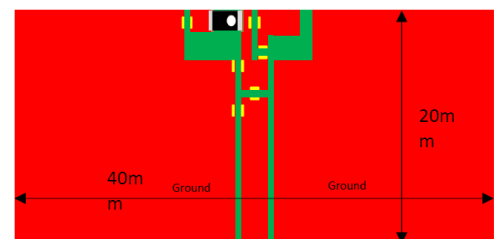
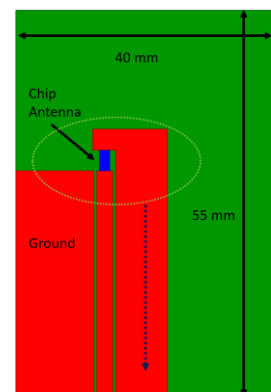
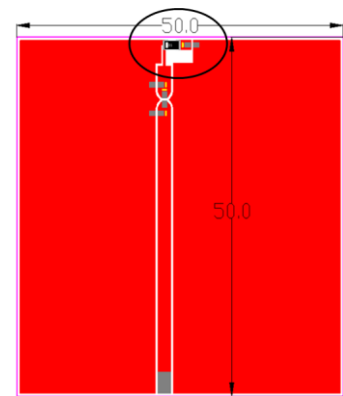
BTCA003216080025GE



BTCA005020100025GM



PC Board Pattern



SMD Chip Series Antenna – BTCA Series

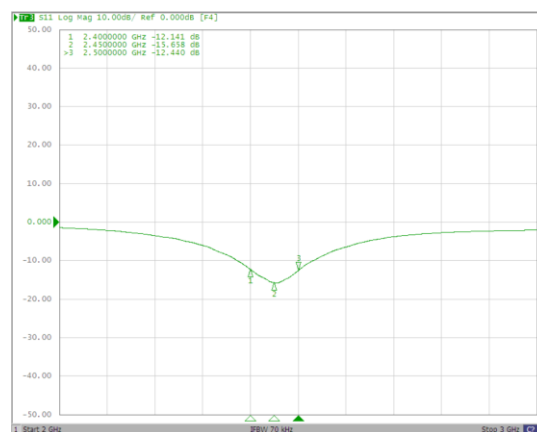
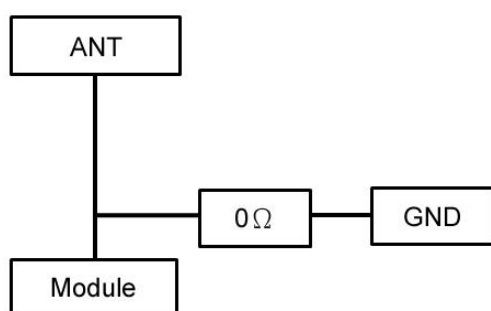
Electrical Characteristics

Part Number	Impedance (Ω)	Test Frequency (GHz)	Bandwidth* (MHz)	Peak Gain* (dBi)	VSWR (Max)	Polarization
BTCA00321609002G4W	50	2.4	100	0~1	2	Linear
BTCA00321609005G0W	50	5	100	-0.3~1.3	2	Linear
BTCA003216080025GE	50	2.4 5	100	1~2	2	Linear
BTCA005020100025GM	50	2.4 5	100	3.2	2	Linear

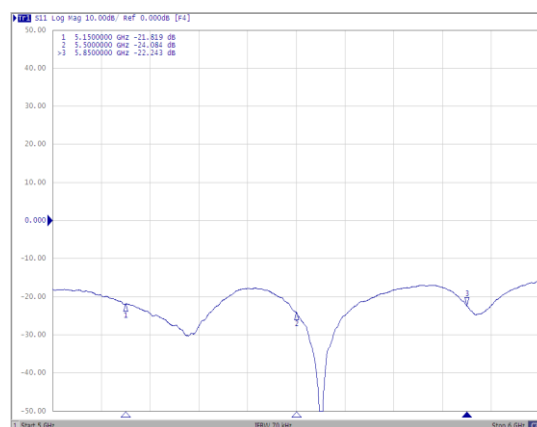
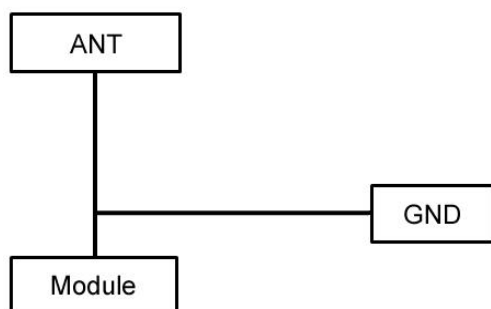
Note: *Depend on PCB layout.

Test Instruments : Agilent E4991A Material/Impedance Analyzer

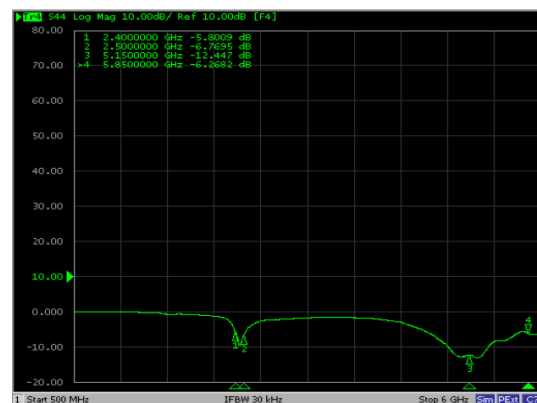
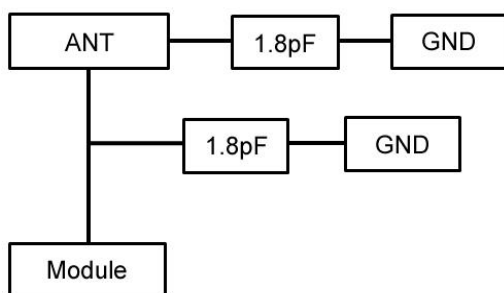
BTCA00321609002G4W



BTCA00321609005G0W



BTCA003216080025GE

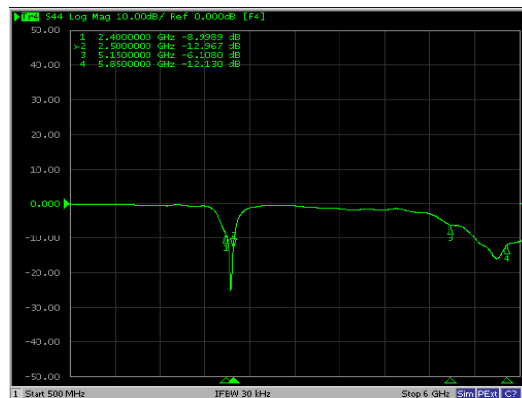
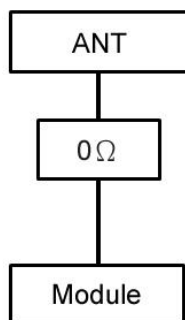


Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin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

SMD Chip Series Antenna – BTCA Series

Test Instruments : Agilent E4991A Material/Impedance Analyzer

BTCA005020100025GM



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Packaging Specifications

Tape Dimensions

Reel Dimensions

FIG 1

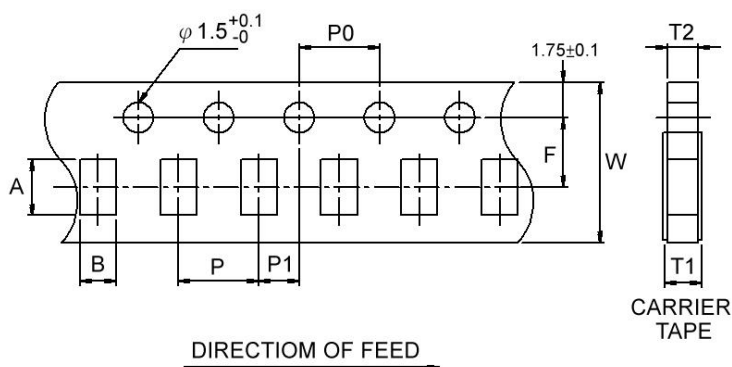
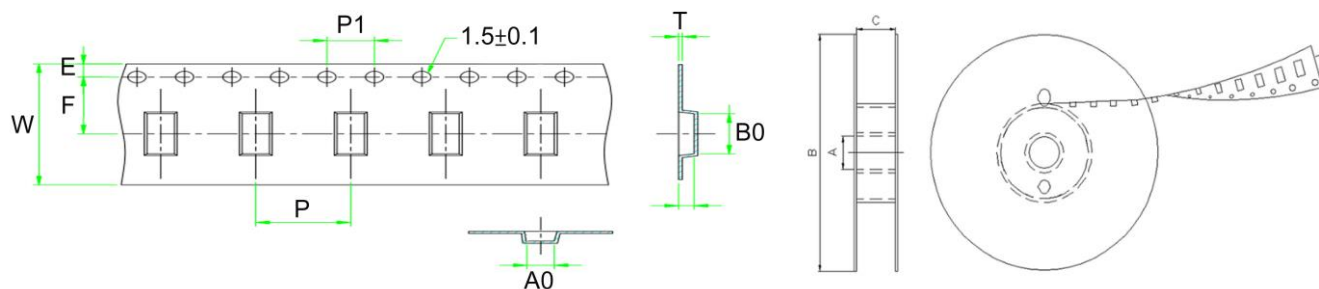


FIG 2



Dimensions

TYPE	FIG	Tape Dimensions									Reel Dimensions						Quantity
		A	B	T1	W	P	P0	P1	F	T2	Wa	M	A	B	C	D	PCS / REEL
BTCA00321605	1	3.5	1.9	0.75	8	4	4	2	3.5	0.75	9	178	2	13.5	21	60	5000
											12	178	2	13.2	17.7	60	
TYPE	FIG	Tape Dimensions									Reel Dimensions				Quantity		
		A0	B0	T	E	W	P	P0	F	K0	A	B	C	D	PCS / REEL		
BTCA005020	2	2.3	5.3	0.3	1.75	16	8	4	7.5	1.3	100	330	12	-		5000	