

BTLH Series



Chilisin offer multilayer devices of Low-Temperature Cofired Ceramics (LTCC) 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.

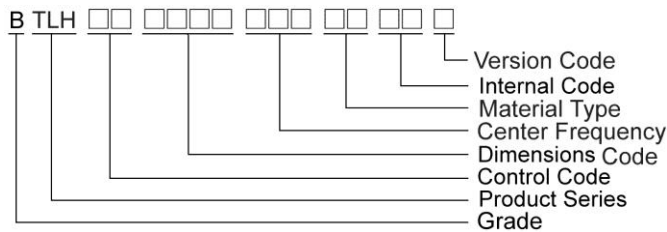
Features

- RoHS, Halogen Free and REACH Compliance
- Miniaturized.
- Low insertion loss, high attenuation.
- Eliminate noise over a wide frequency range. Idea for high frequency and space limited designs.

Applications

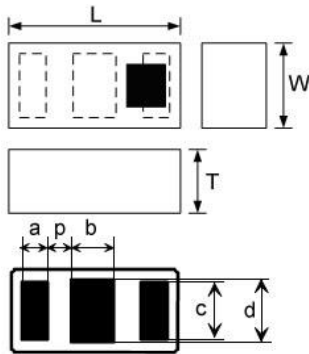
- WLAN ,Home RF, Bluetooth Module, etc.

Product Identification

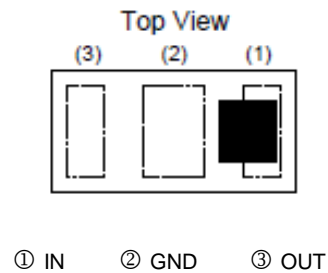


Shapes and Dimensions

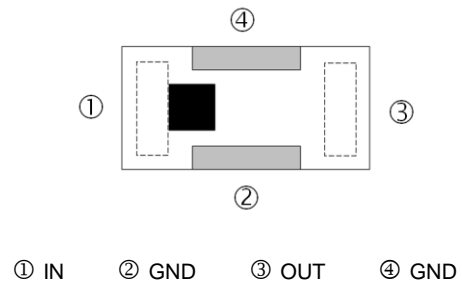
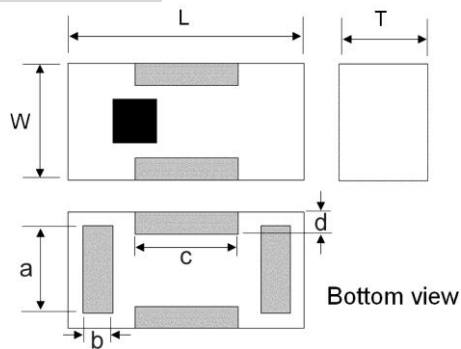
BTLH0016082G5S3A10



Terminal Configuration



BTLH0016085G5S1A10



Dimension in mm

TYPE	L	W	T	a	b	c	d	p
BTLH0016082G5S3A10	1.6±0.1	0.8±0.1	0.65Max	0.25±0.1	0.4±0.1	0.55±0.1	0.6±0.1	0.23±0.05
BTLH0016085G5S1A10	1.6±0.1	0.8±0.1	0.6±0.1	0.6±0.1	0.2±0.05	0.7±0.15	0.15±0.1	-

Low Temperature Cofired Ceramic - BTLH Series

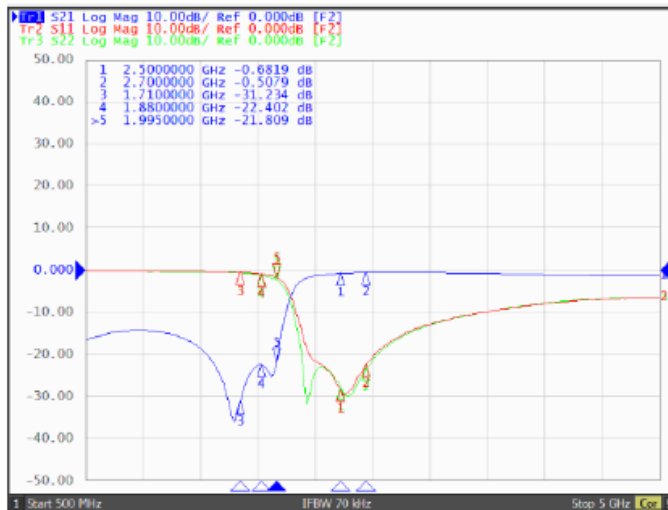
Electrical Characteristics

Part Number	Pass Band (MHz)	Insertion Loss (dB)Max	Return Loss (dB)Min	Attenuation	Application
BTLH0016082G5S3A10	2496~2690	0.7	20	22dB Min. @ 1710~1880 MHz 21dB Min. @ 1880~1995 MHz	LTE/WLAN
BTLH0016085G5S1A10	4900~5850	0.6	10	25dB Min. @ 2400~2500 MHz	WLAN

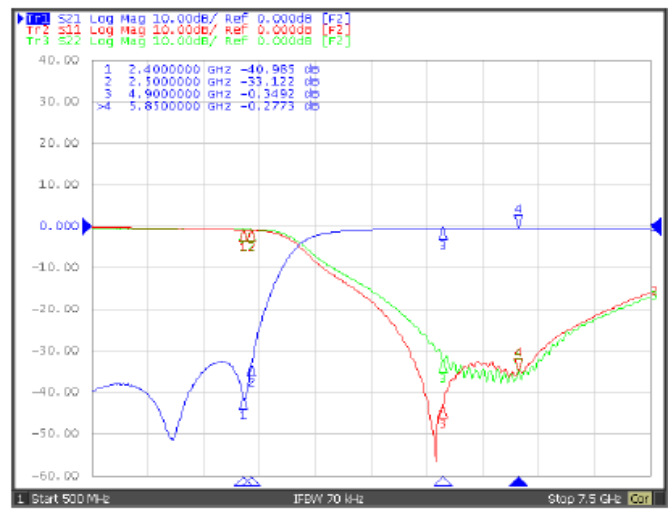
- Operating temperature range $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$

Test Instruments : Agilent E5071C Network Analyzer

BTLH0016082G5S3A10



BTLH0016085G5S1A10

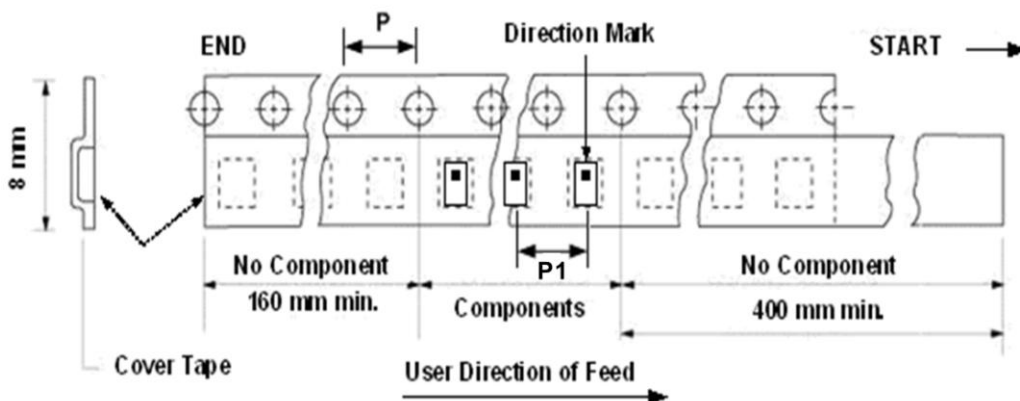


Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilsin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

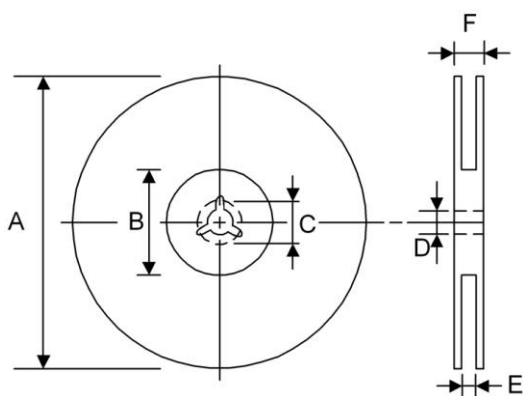
Low Temperature Cofired Ceramic - BTLH Series

Packaging Specifications

Tape Dimensions



Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions		Reel Dimensions						Quantity
	P	P1	A	B	C	D	E	F	PCS / REEL
BTLH001608	4	4	178	60	-	13	9	12	4000