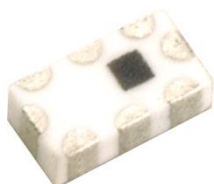


## BTDC Series



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.

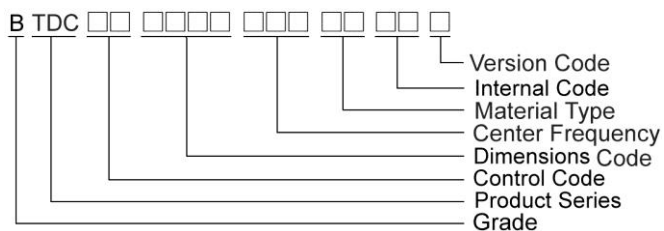
### Features

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

### Applications

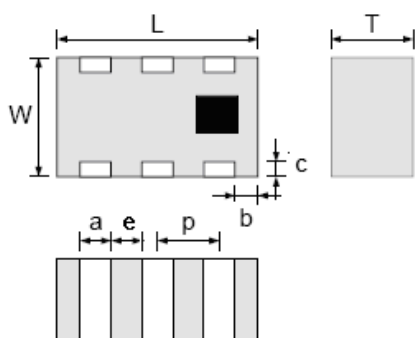
- WLAN ,Home RF, Bluetooth Module, etc.

### Product Identification

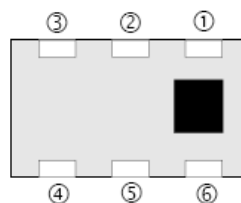


### Shapes and Dimensions

**BTDC00160812GS1A10**



### Terminal Configuration



- ① IN                      ② GND                      ③ Coupled Out
- ④ Terminate            ⑤ GND                      ⑥ Main Out

Dimension in mm

TYPE	L	W	T	a	b	c	e	p
BTDC00160812GS1A10	1.6±0.1	0.8±0.1	0.6±0.1	0.3±0.1	0.1±0.1	0.3±0.2	0.25±0.1	0.55±0.05

# Low Temperature Cofired Ceramic - BTDC Series

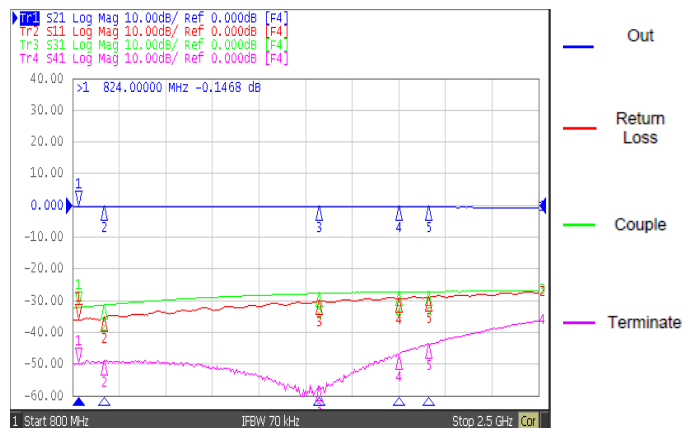
## Electrical Characteristics

Part Number	Pass Band (MHz)	Insertion Loss (dB)Max	Return Loss (dB)Min	Coupling (dB)	Isolation (dB)Min	Application
BTDC00160812GS1A10	1710~2100	0.35	10	27±1	40	LTE
	824~915	0.30	10	32±1	45	

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

## Test Instruments : Agilent E5071C Network Analyzer

### BTDC00160812GS1A10

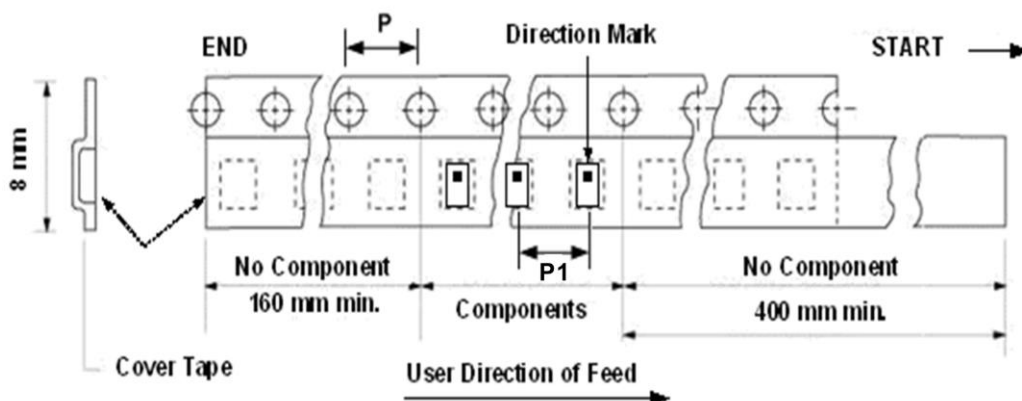


Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin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

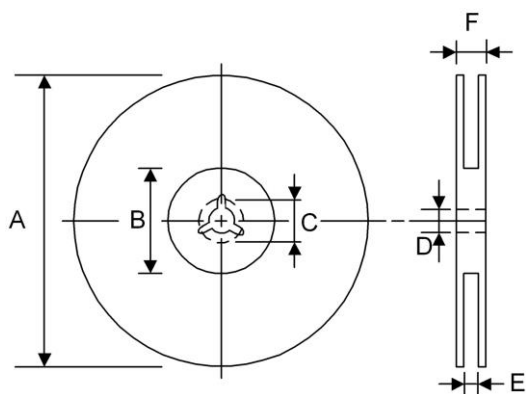
# Low Temperature Cofired Ceramic - BTDC Series

## Packaging Specifications

### Tape Dimensions



### Reel Dimensions



### Dimensions in mm

TYPE	Tape Dimensions		Reel Dimensions						Quantity PCS / REEL
	P	P1	A	B	C	D	E	F	
BTDC001608	4	4	178	60	-	13	9	12	4000