

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.

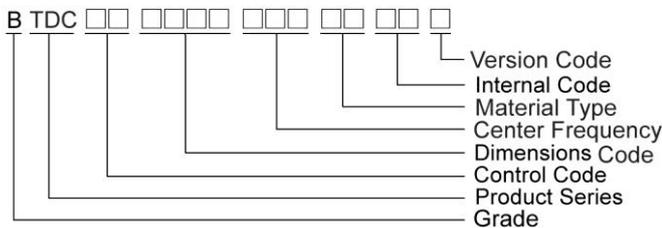
Features

- 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

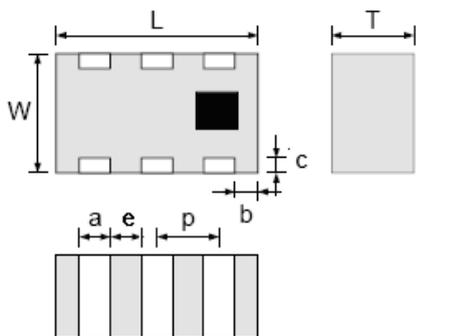
- WLAN ,Home RF, Bluetooth Module, etc.

Product Identification

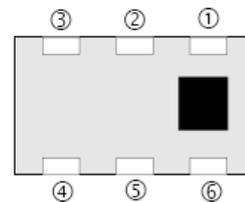


Shapes and Dimensions

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

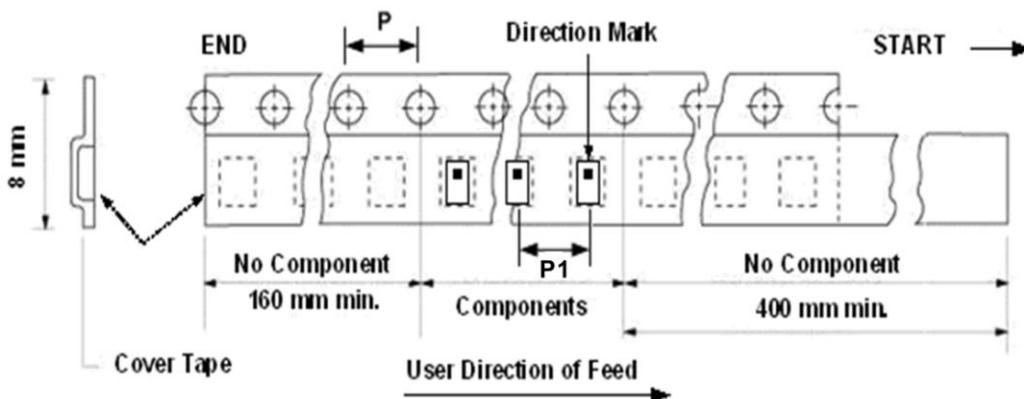
BTDC00160812GS1A10



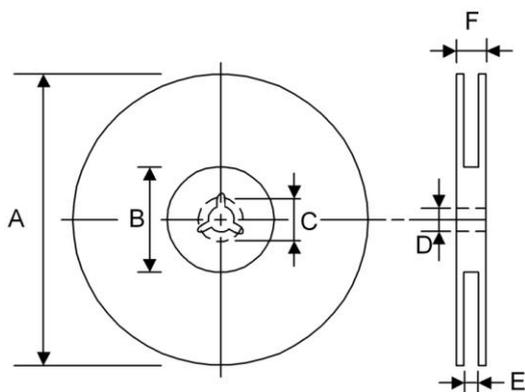
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Packaging Specifications

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