



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Description: LTCC Filter 5410 MHz Size 2.0x1.25 mm (1020MHz BW)

TST Part No.: TL0011A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Nina Chen *Nina Chen*

Approved by: _____ Kazuma Lee *Kazuma Lee*

Date: _____ 2022/05/27

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the change



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LTCC Filter 5410 MHz Size 2.0x1.25 mm (1020 MHz BW)

MODEL NO.: TL0011A

REV.3

A. Maximum Rating:

1. Input Power : 0.5W
2. DC voltage: 0 V
3. Operating temperature range: -40°C to +85°C
4. Storage temperature range: -40 °C to +85 °C
5. Moisture Sensitivity Level: Level 1(MSL1)



Electrostatic Sensitive Device (ESD)

B. Electrical Characteristics:

Source impedance (unbalanced) : $Z_s = 50 \Omega$

Load Impedance (unbalanced) : $Z_L = 50 \Omega$

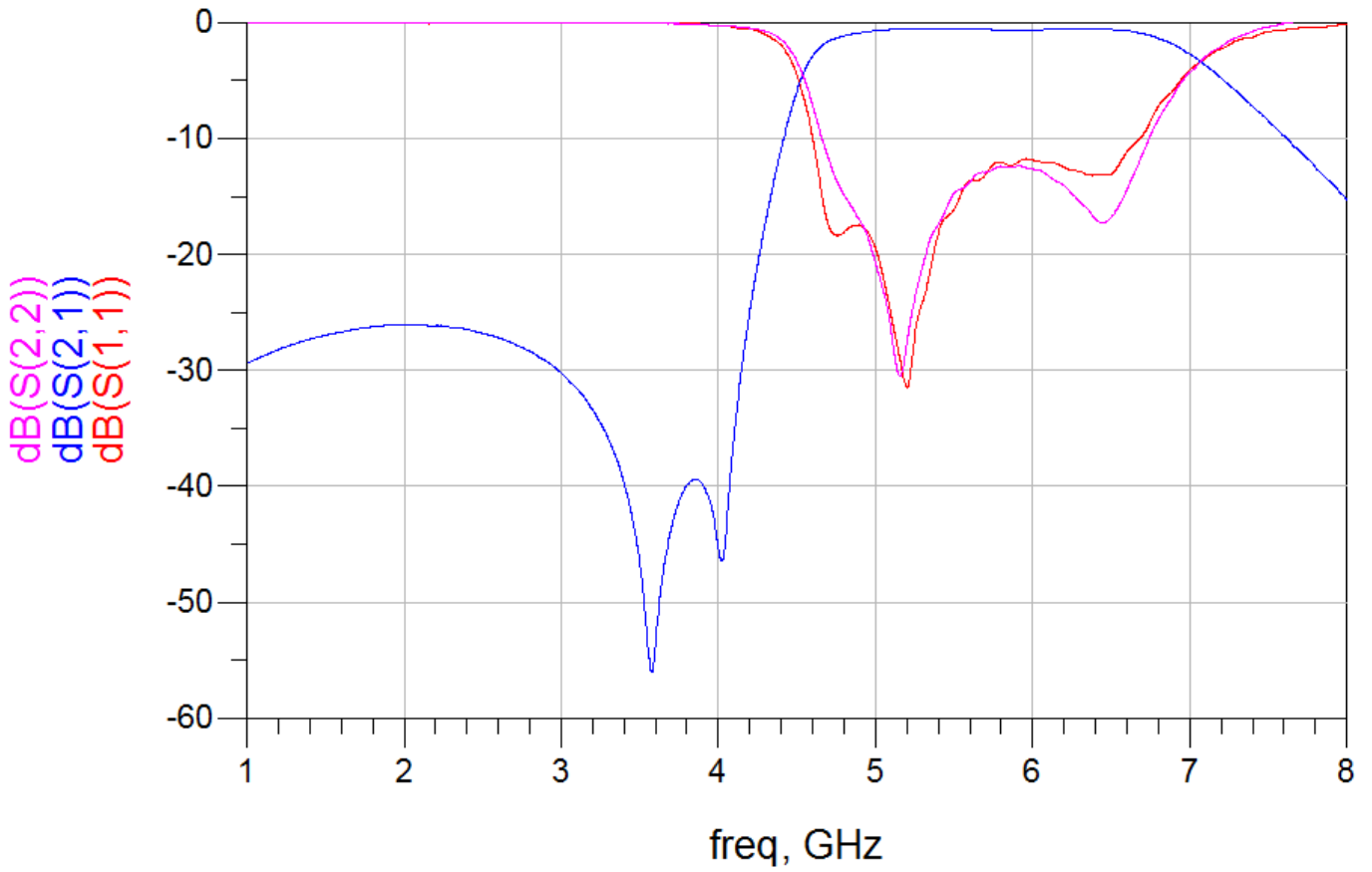
Item	Unit	Spec
Central Frequency Fc	MHz	5410
Band Width	MHz	1020
Insertion loss (4900 ~ 5920 MHz) ₍₁₎ IL	dB	1.5 Max
Insertion loss (4900 ~ 5920 MHz) ₍₂₎ IL	dB	2.0 Max
VSWR (4900 ~ 5920 MHz)	dB	2.0 Min
Attenuation (Reference level from 0 dB)		
3500 MHz	dB	30 Min

(1) at 25°C±5°C

(2) at -40°C ~ 85°C

C. Frequency Characteristics:

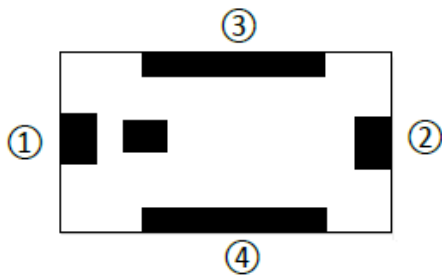
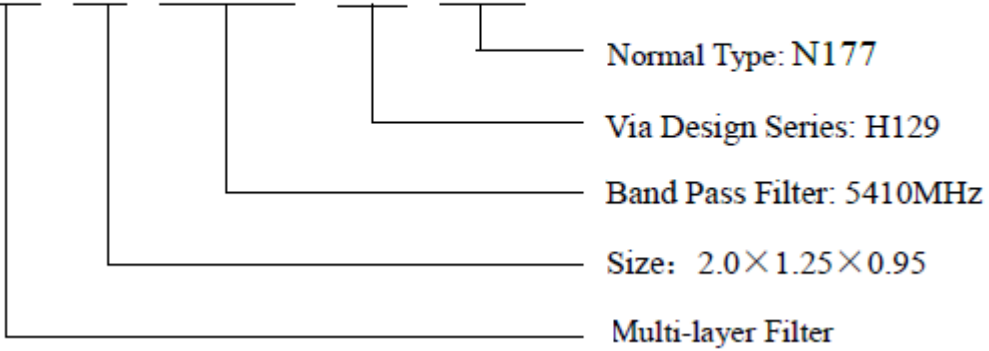
Frequency Response



D. Outline Drawing :

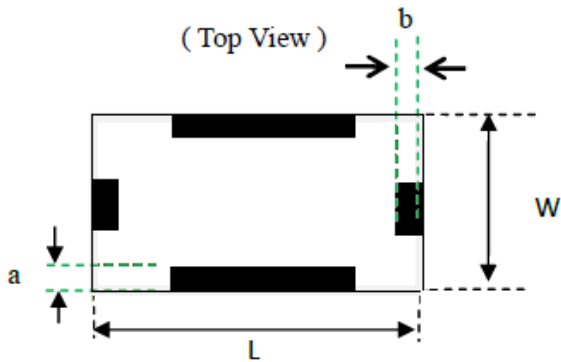
Part Number

LF 21 B5410 H129 – N177

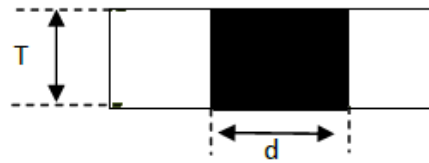


Number	Terminal Name
①	INPUT
②	OUTPUT
③	GND
④	GND

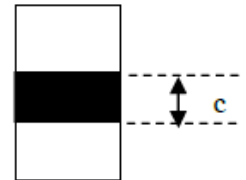
(Top View)



(Bottom View)



(Side View)



Symbols	L	W	T	a	b	c	d
Dimensions	2.0+/-0.2	1.25+/-0.2	0.95+/-0.2	0.2+/-0.1	0.3+/-0.1	0.35+/-0.1	1.3+/-0.1

G . Recommended Solder Profile:

