



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 SMD2.0x1.25 mm (1020MHz BW)

TST Part No.: TL0011A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Hong Pu Lin *Hong Pu Lin*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 2018, 12. 04

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 SMD 2.0x1.25 mm (1020 MHz BW)

MODEL NO.:TL0011A

REV.1

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)

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

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

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

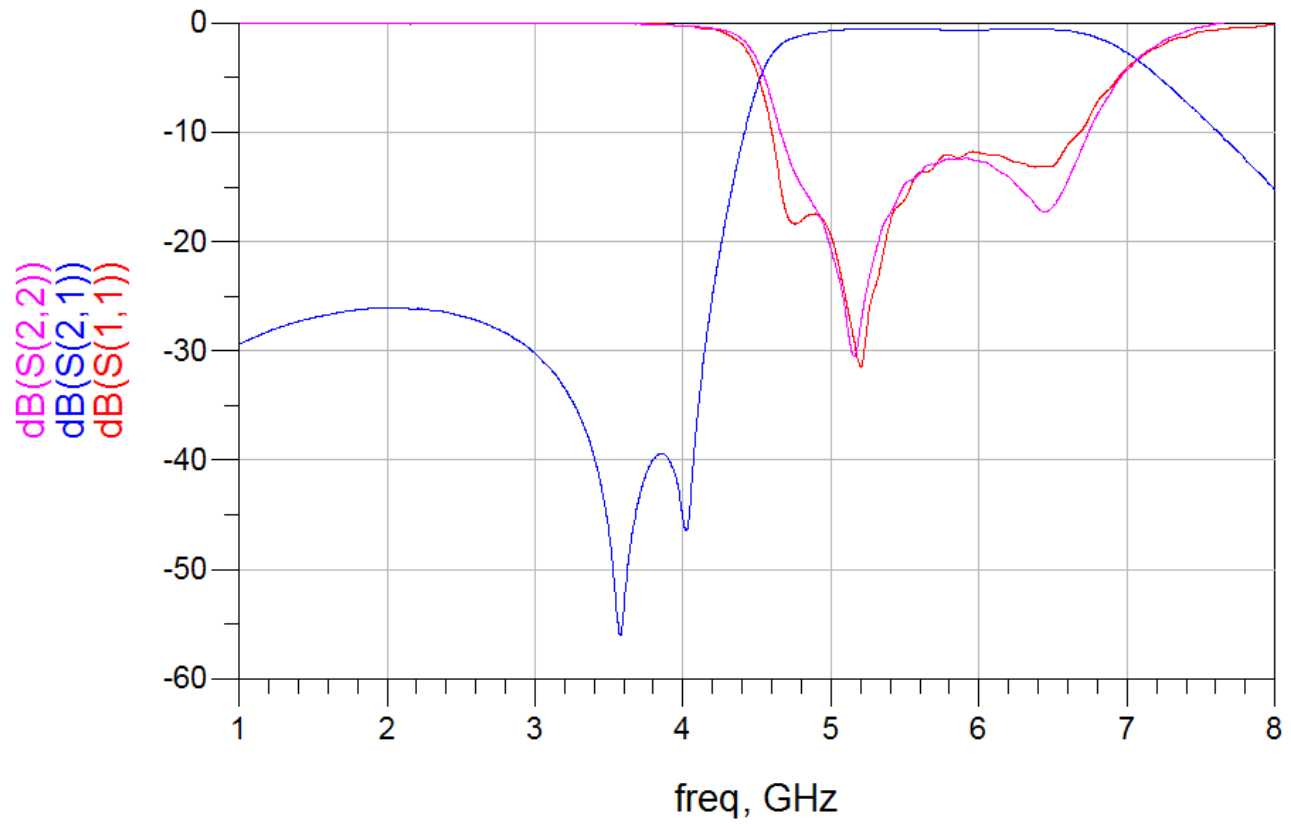
Item	Unit	Spec
Central Frequency Fc	MHz	5410
Band Width	MHz	1020
Insertion loss (4900 ~ 5920 MHz) ₍₁₎ IL	dB	1.5 Max
Insertion loss (4900 ~ 5920 MHz) ₍₂₎ IL	dB	2.0 Max
VSWR (4900 ~ 5920 MHz)	dB	2.0 Min
Attenuation (Reference level from 0 dB)		
3500 MHz	dB	30 Min

(1) at 25°C±5°C

(2) at -40°C ~ 85°C

C. FREQUENCY CHARACTERISTICS:

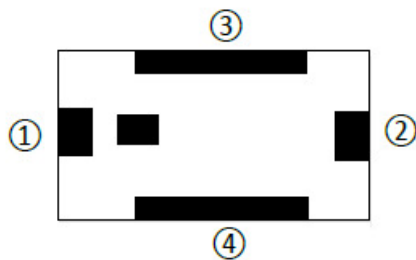
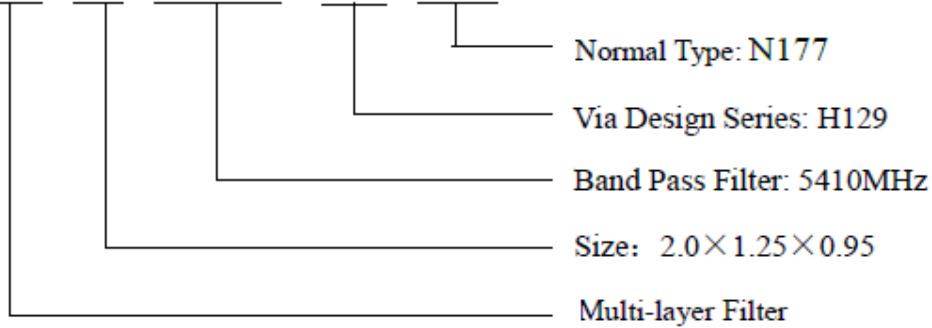
Frequency Response



D. Outline Drawing :

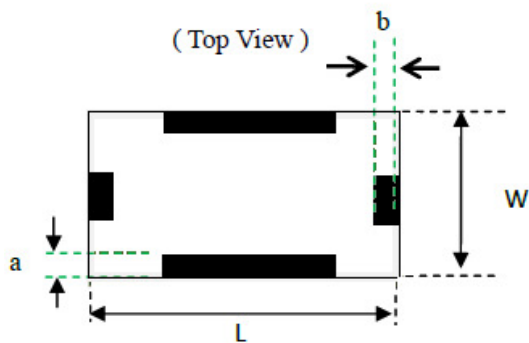
Part Number

LF 21 B5410 H129 – N177



Number	Terminal Name
①	INPUT
②	OUTPUT
③	GND
④	GND

(Top View)



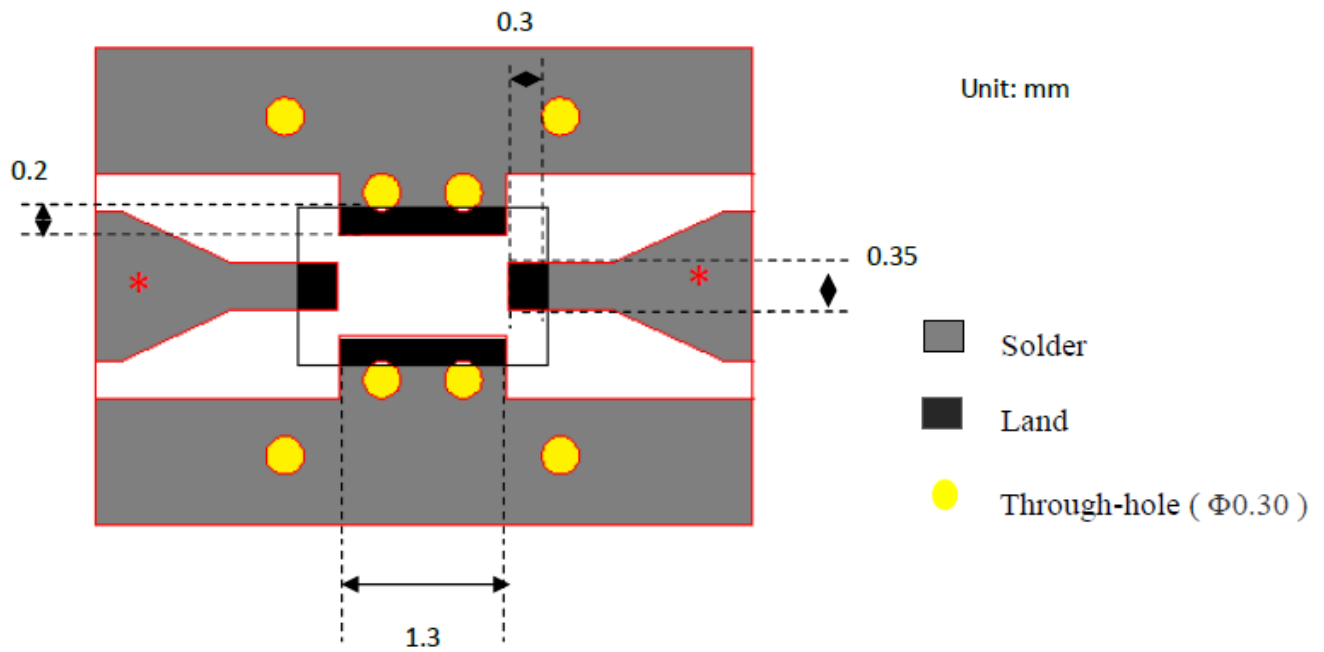
(Bottom View)



(Side View)

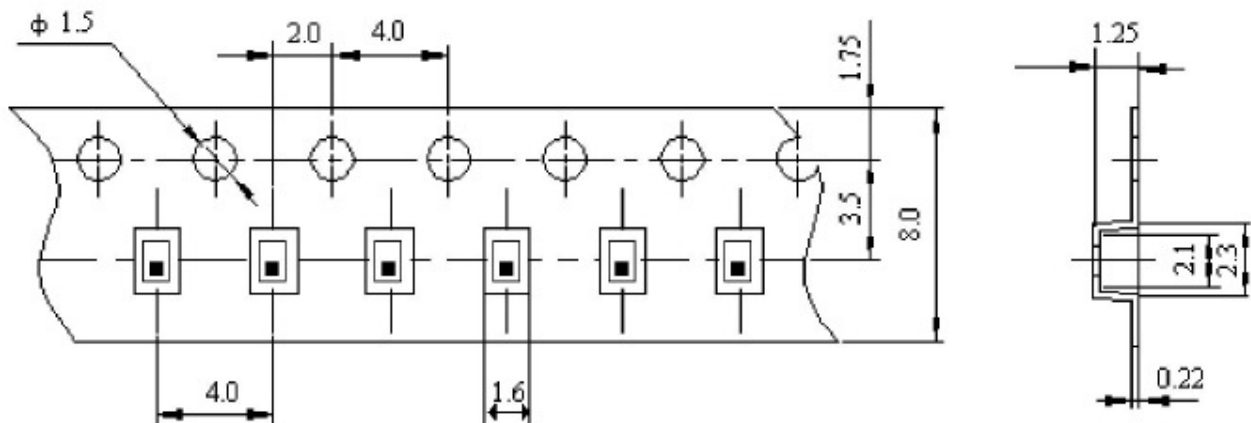
Symbols	L	W	T	a	b	c	d
Dimensions	2.0 ± 0.2	1.25 ± 0.2	0.95 ± 0.2	0.2 ± 0.1	0.3 ± 0.1	0.35 ± 0.1	1.3 ± 0.1

E. PCB Footprint



F. PACKING:

Plastic Tape



G . RECOMMENDED REFLOW PROFILE :

