



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

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Product Specifications Approval Sheet

Product Description:LTCC Filter 5425MHz BW 1050MHz Size 1.6x0.8mm

TST Part No.: TL0051AA0090

Customer Part No.: _____

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

Checked by: _____ Nina Chen *Nina Chen*

Approved by: _____ Kazuma Lee *Kazuma Lee*

Date: _____ 2022/11/21

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 5425MHz BW 1050MHz Size1.6x0.8mm

MODEL NO.: TL0051AA0090

REV.1

A. Maximum Rating:

1. Input Power : 2W
2. Operating temperature range: -40°C to +85°C
3. Storage temperature range: -40°C to +85°C
4. Moisture Sensitive Level: Level 1

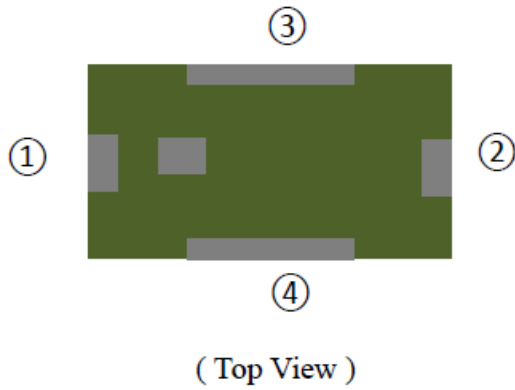


Electrostatic Sensitive Device (ESD)

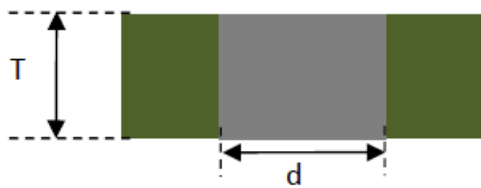
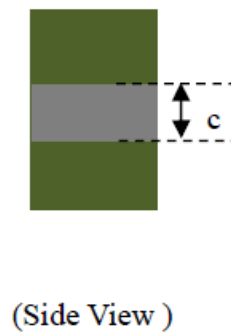
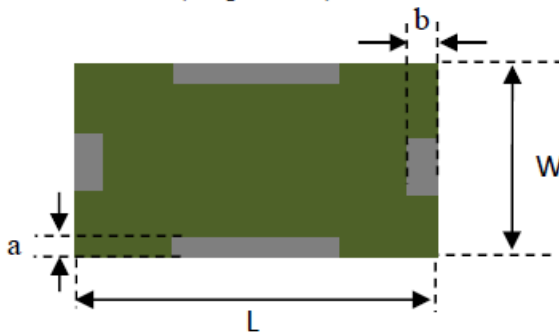
B. Electrical Characteristics:

Item		Unit	Typ	Note
Center frequency	4900~5950MHz	MHz	5425	
Insertion Loss	4900~5950MHz	dB	2.0(max)	+25°C
		dB	2.3(max)	-40°C to +85°C
VSWR	4900~5950MHz	-	2.0(max)	
Ripple	4900~5950MHz	dB	1.0(max)	
Attenuation	50~110 MHz	dB	50(min)	
	700~1000 MHz	dB	39(min)	
	1280~3300 MHz	dB	29(min)	
	2400~2500 MHz	dB	39(min)	
	3300~4000 MHz	dB	20(min)	
	9800~11900 MHz	dB	9(min)	

C. Outline Drawing:



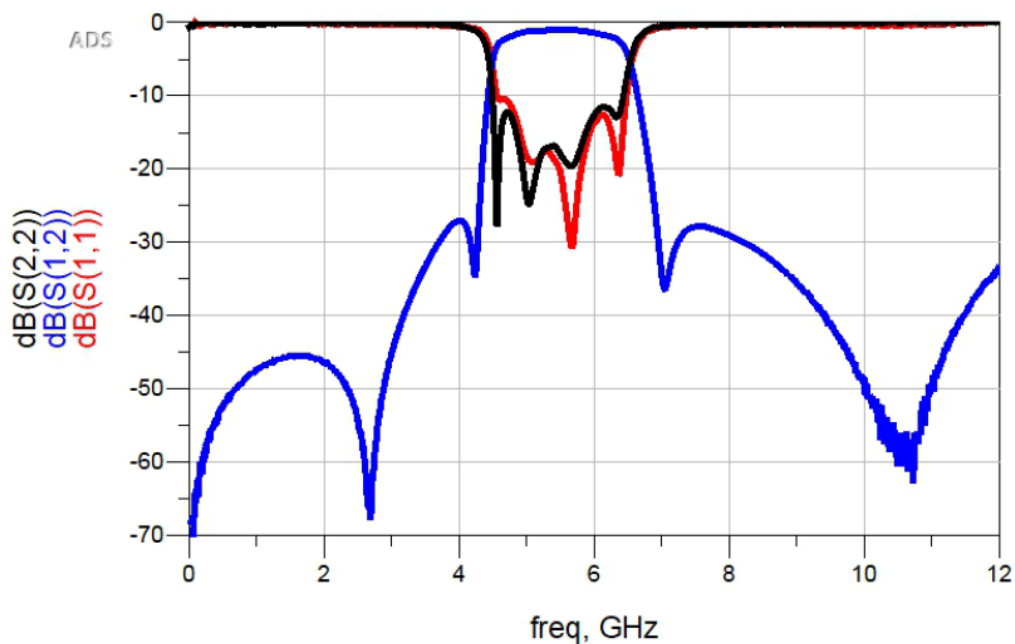
Number	Terminal Name
①	INPUT / OUTPUT
②	INPUT / OUTPUT
③	GND
④	GND



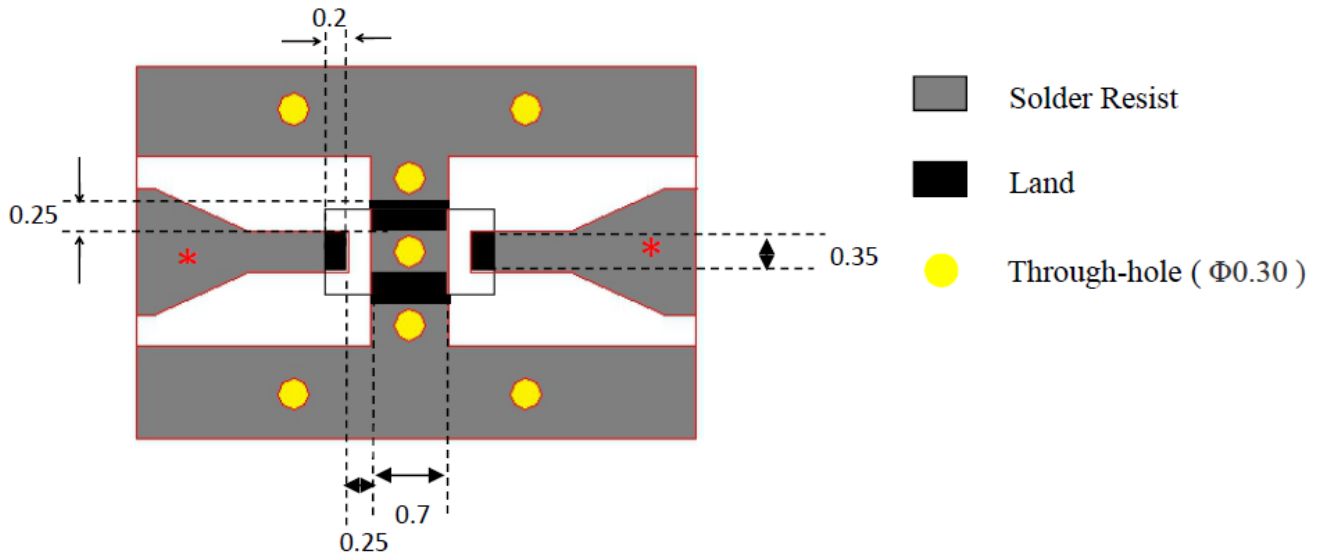
(Unit: mm)

Symbols	L	W	T	a	b	c	d
Dimensions	1.6+/-0.1	0.8+/-0.1	0.6+/-0.1	0.2+/-0.1	0.15+/-0.05	0.35+/-0.1	0.7+/-0.1

D. Frequency Characteristics:



E. PCB Footprint:



*Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness

F. Packing:

1. Reel Dimension

Reel (6000 pcs/Reel)

