



TAI-SAW TECHNOLOGY CO., LTD.

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

Product Description: SAW Notch Filter 742MHz SMD 3.0X3.0 mm

TST Part No.: TE0119A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Michael Yang 

Approved by: _____ Bob Chau 

Date: _____ 2015/5/5

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 changes.



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SAW Notch Filter 742MHz

MODEL NO.:TE0119A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. DC Voltage : 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

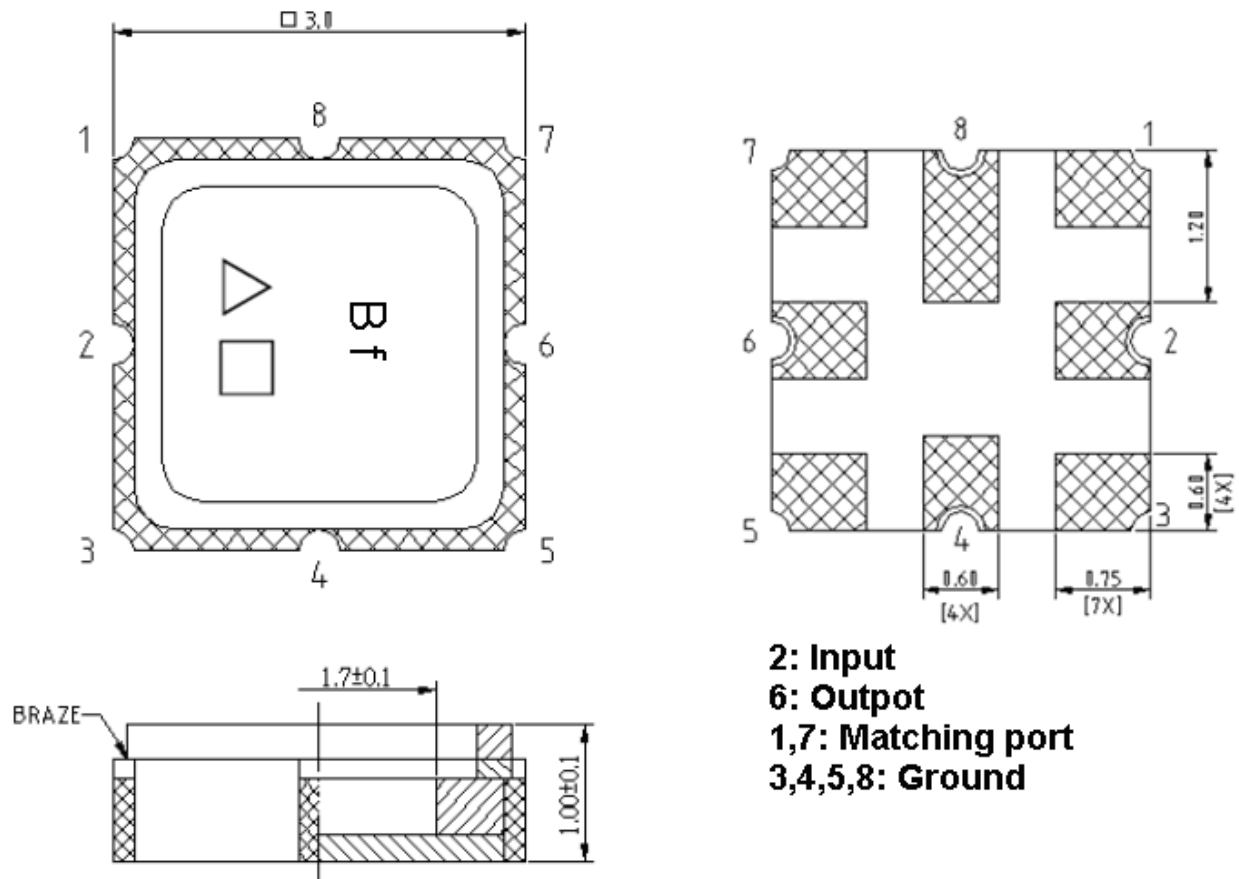
Terminating source impedance (single) : $Z_s = 50 \Omega$

Terminating load impedance(single) : $Z_L = 50 \Omega$

Item		Min	Type.	Max
Nominal Center Frequency F_c	MHz	-	742	-
Minimum Insertion attenuation (470~600 MHz) α_{min}	dB		4	5
Maximum Insertion attenuation α_{max}				
47~68 MHz	dB		0.5	1.0
174~230 MHz	dB		0.5	1.0
470~600 MHz	dB		4.0	5.0
600~660 MHz	dB		7.0	9.0
Attenuation α				
694 ~ 790 MHz	dB	15	18	
1210 ~ 1610 MHz	dB	5	8	
1610 ~ 1990 MHz	dB	3	5	
Package size	mm	SMD3030		

C.OUTLINE DRAWING:

E. OUTLINE DRAWING:



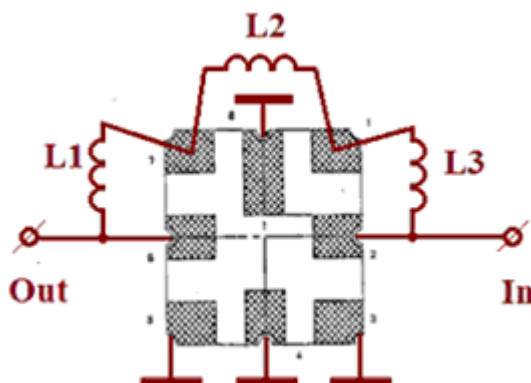
Data code : See the table

WK	01	02	...	26	27	28	...	52
Code	A	B	...	Z	a	b	...	z

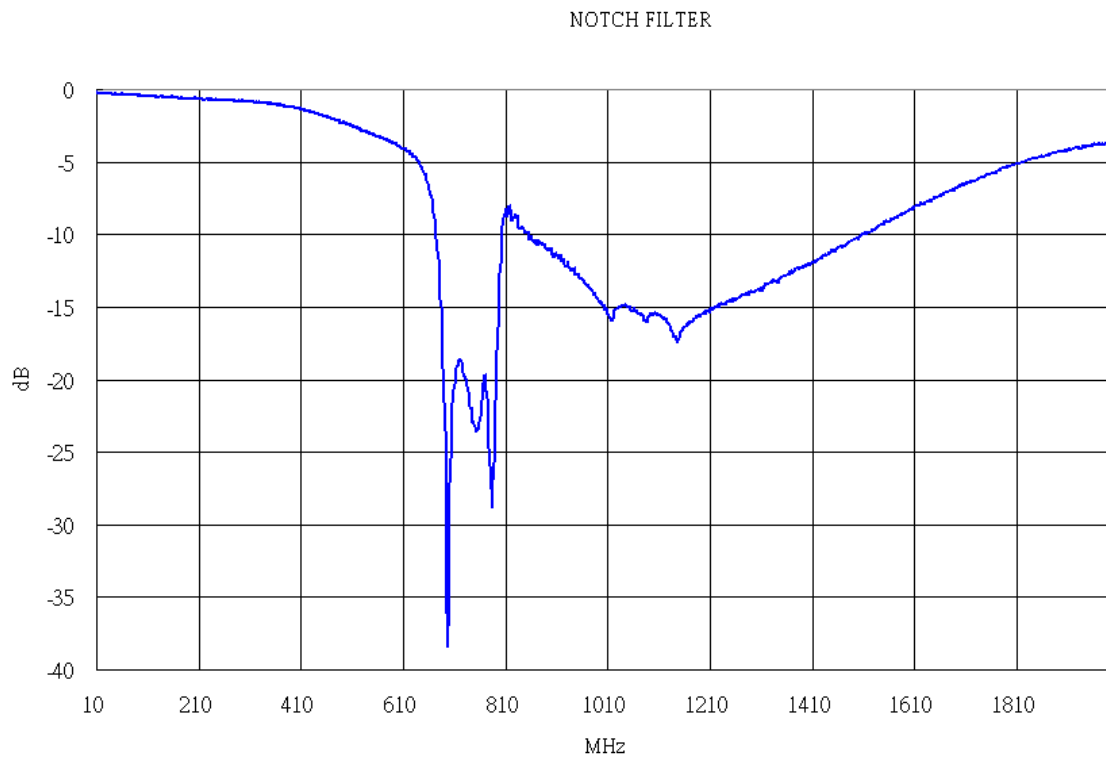
△ Year code : See the table

Year	2008	2009	2010	2011	...	2019	2020
Code	8	9	0	1	...	9	0

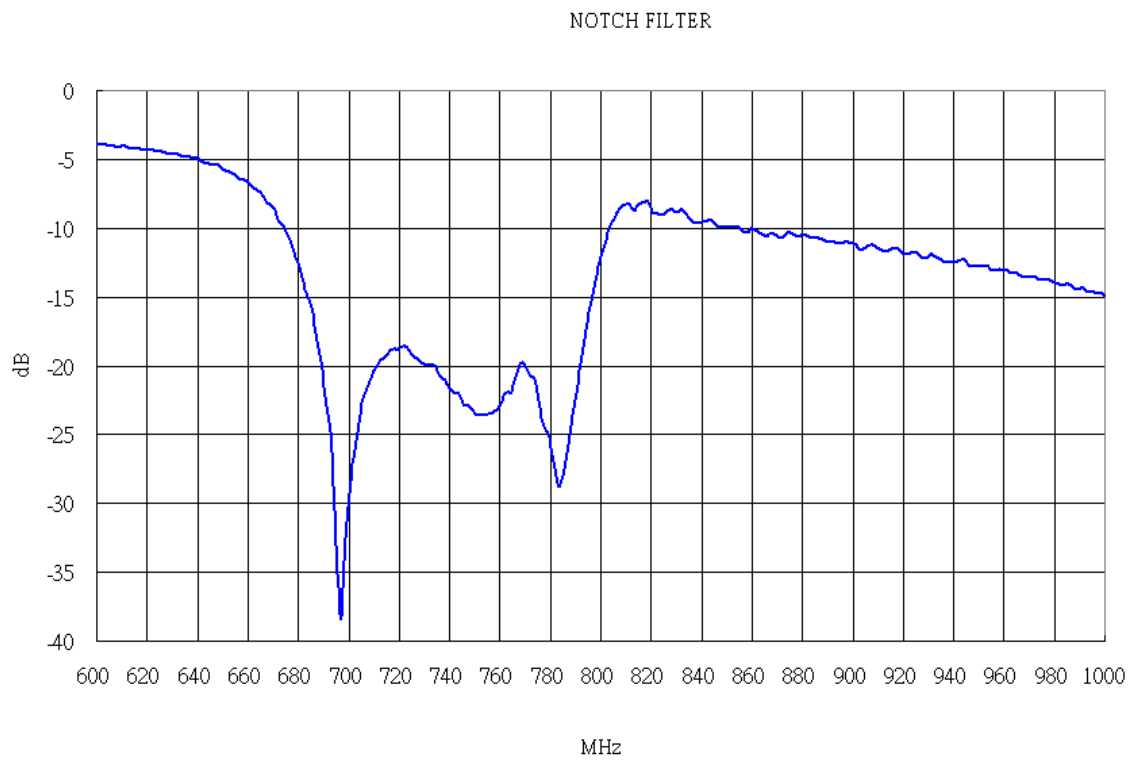
G. TEST CIRCUIT:



E. Frequency Characteristics :
S21 response: (span 2GHz)



S21 response: (span 400MHz)



1. REEL DIMENSION

See DETAIL 'A'

Technical drawing of a circular structure, likely a manhole or access point, showing a top view and a side view. The top view is a circle with a central hole, indicated by a dashed line. The side view shows the structure's profile with dimensions: a total width of 12 TYP. and a central hole diameter of $\phi 100$ REF. The drawing also includes a detailed view of the central hole, showing a circular opening with a diameter of $\phi 20 \pm 0.5$ and a surrounding structure with a diameter of $\phi 130 \pm 0.5$. The drawing is labeled 'See DETAIL 'A'' and includes a dimension of 20 ± 0.5 for the hole's depth.

Direction of Feed

G. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 245~260°C peak (min. 10sec).
4. Time : 2 times.

