



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

E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

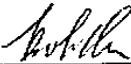
Product Specifications Approval Sheet


Product Description: SAW Filter 400 MHz SMD 3.0X3.0 mm

TST Part No.: TB0564A

Customer Part No.: _____

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

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 11, 16, 2010

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 Filter 400MHz

MODEL NO.:TB0564A

REV. NO.:2

A. MAXIMUM RATING:

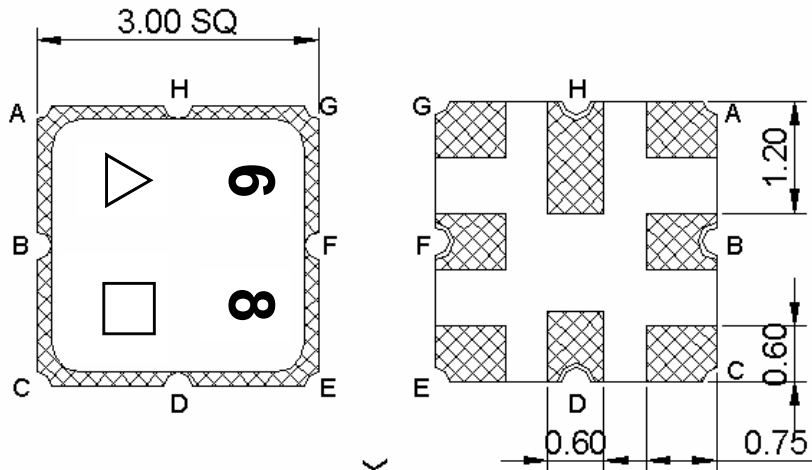
1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, Fc	MHz	-	400	-	-
Max. Insertion loss (Fc ± 75 kHz) (excluding loss in matching elements)	dB	-	4.3	6.0	-
Max. Insertion loss (Fc ± 75 kHz) (including loss in matching elements)	dB	-	5.2	7.5	-
Passband Ripple (Fc ± 75 kHz)	dB	-	0.4	2	-
Group Delay Ripple (Fc ± 75 kHz)	μ sec	-	0.6	2	-
Relative Attenuation (relative to IL)					
Fc - 100 to Fc - 1.5 MHz	dB	35	60	-	-
Fc - 1.5 to Fc - 0.8 MHz	dB	20	46	-	-
Fc - 0.8 to Fc - 0.6 MHz	dB	10	39	-	-
Fc - 0.6 to Fc - 0.4 MHz	dB	7	27	-	-
Fc + 0.4 to Fc + 0.6 MHz	dB	7	27	-	-
Fc + 0.6 to Fc + 0.8 MHz	dB	10	39	-	-
Fc + 0.8 to Fc + 1.5 MHz	dB	20	46	-	-
Fc + 1.5 to Fc + 100 MHz	dB	35	57	-	-
Temperature coefficient of frequency TCf		-0.036 ppm/K ²			

C. OUTLINE DRAWING:

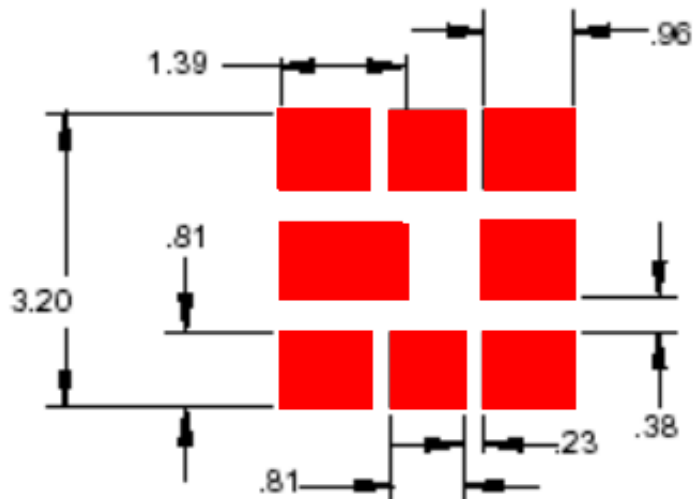


- A : Input
 - B : Input ground balanced input
 - E : Output
 - F : Output ground balanced output
 - C,D,G,H : Ground
- Unit : mm

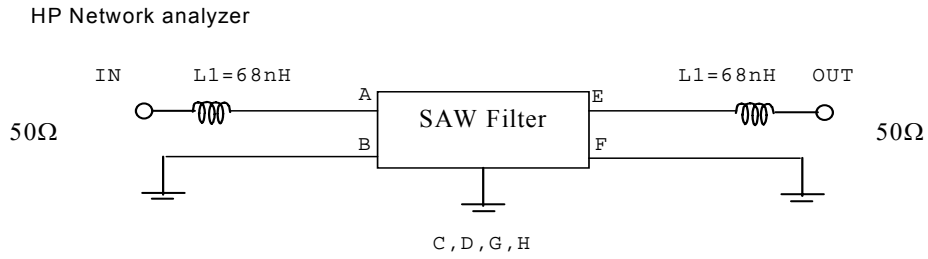
△ : Year Code (2009->9, 2010->0, ..., 2018->8)

□ : Date Code (W01->A,...W26->Z,...W52->z)

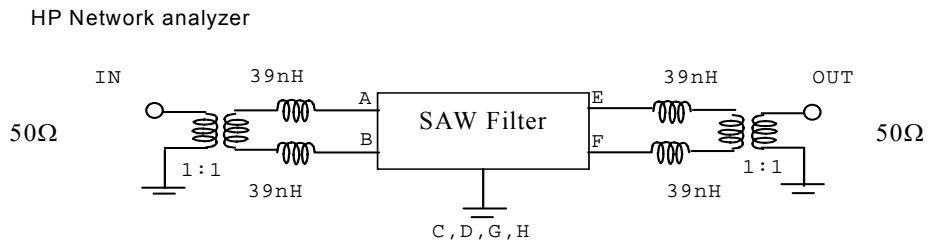
D. PCB Footprint:



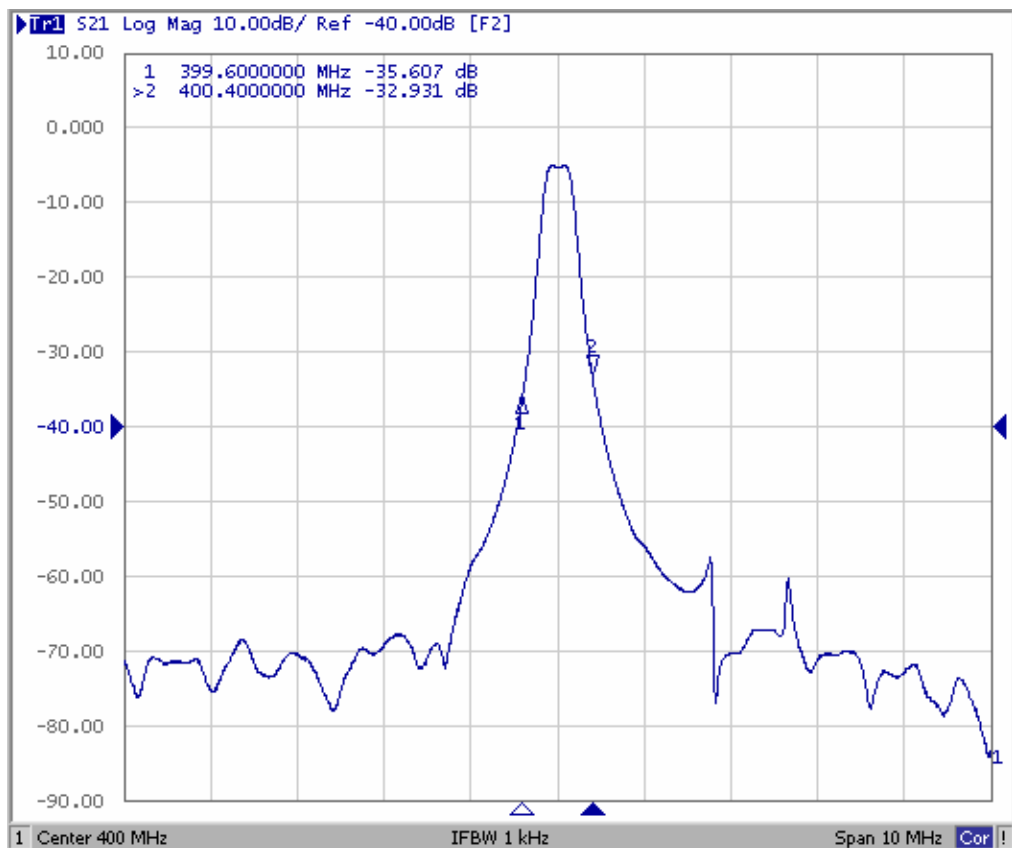
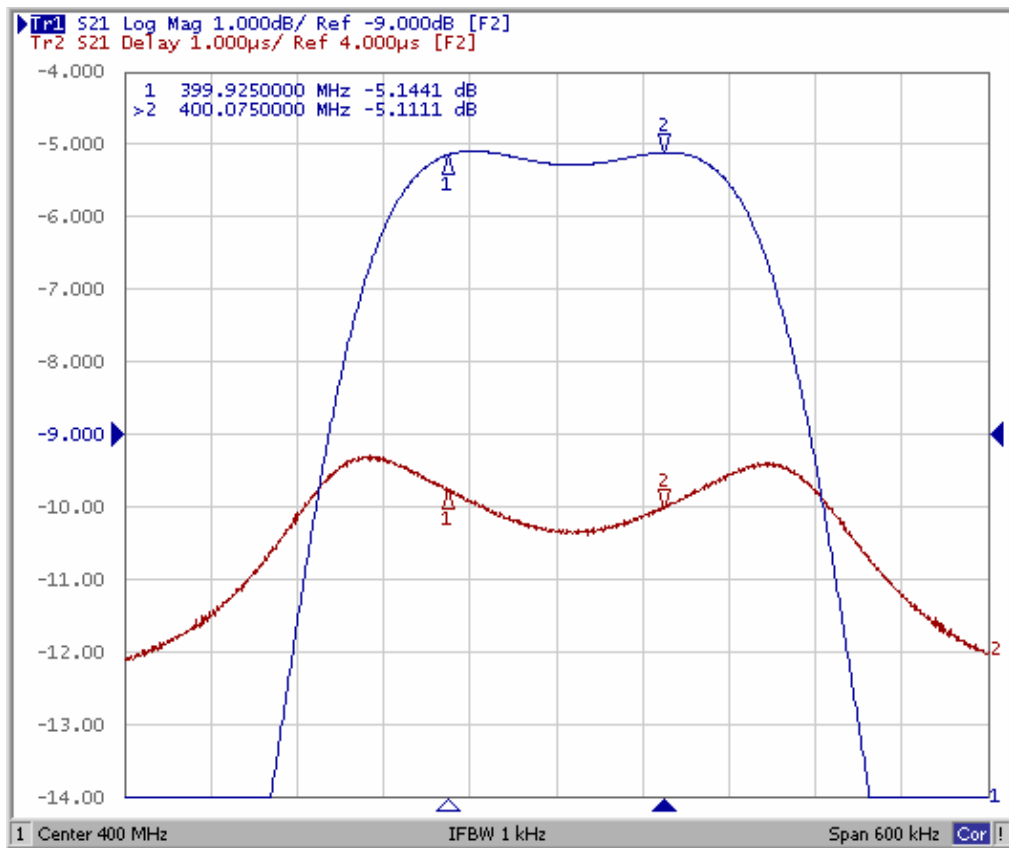
**E. MEASUREMENT CIRCUIT:
50 Ohm Test circuit (single-ended / single-ended)**

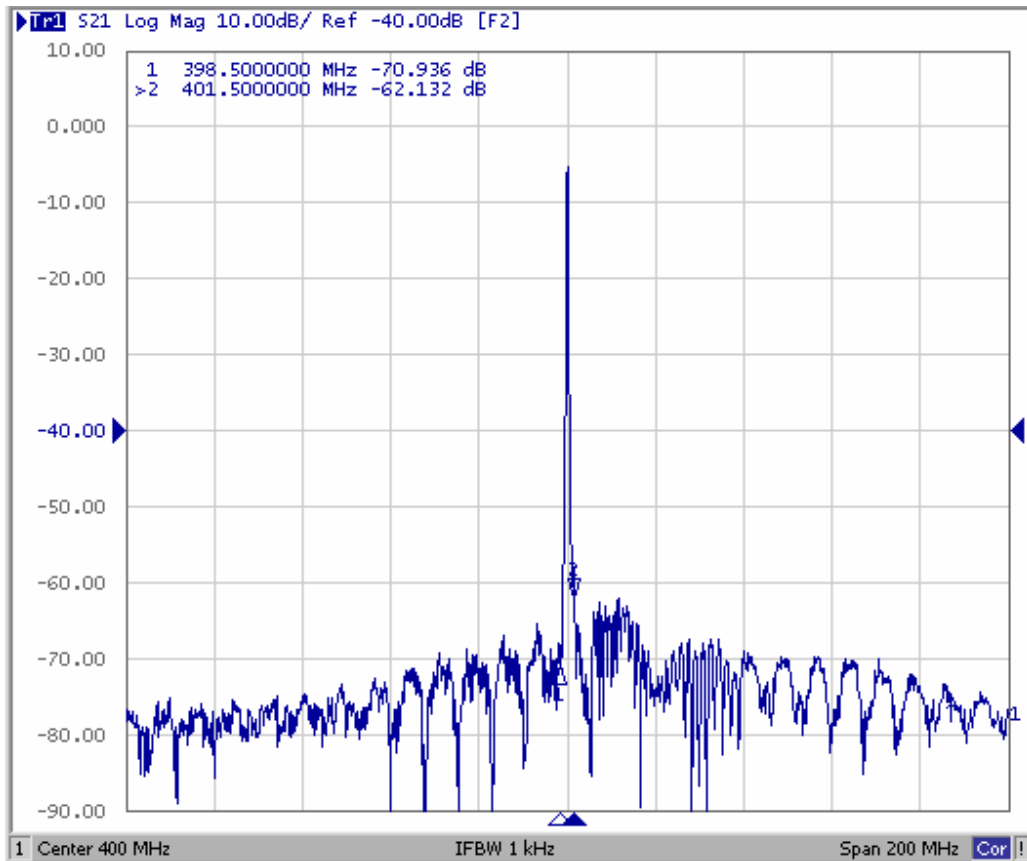


50 Ohm Test circuit (balanced-ended / balanced-ended)

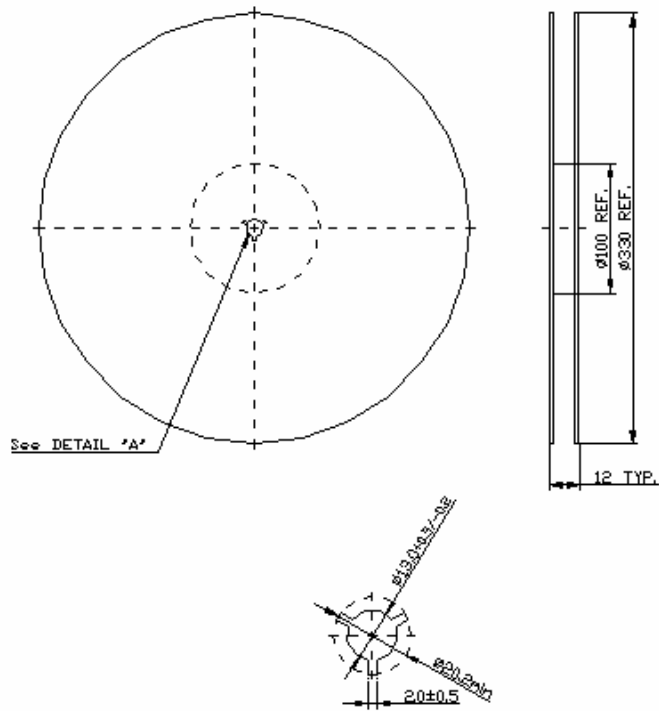


F. Frequency Characteristics :

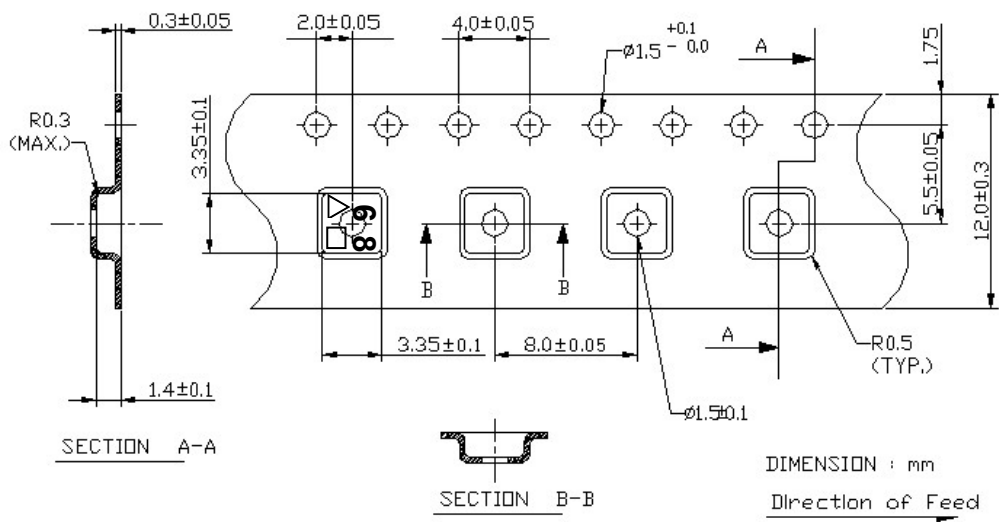




G. PACKING:
1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

