



TAI-SAW TECHNOLOGY CO., LTD.

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

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Product Specifications Approval Sheet

Product Description: SAW Filter 1620MHz SMD 3.0X3.0 mm(BW=10MHz)

TST Part No.: TA1149A

Customer Part No.: _____

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

Checked by: _____ Paul Ni *Paul Ni*

Approved by: _____ Francis Chen *Francis Chen*

Date: _____ 2010/4/30

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 1620 MHz

MODEL NO.:TA1149A

REV. NO : 1.0

A. MAXIMUM RATING:

1. Input Power Level: 27 dBm
2. DC Voltage : 3V
3. Operating Temperature: -50°C to +70°C
4. Storage Temperature: -50°C to +85°C

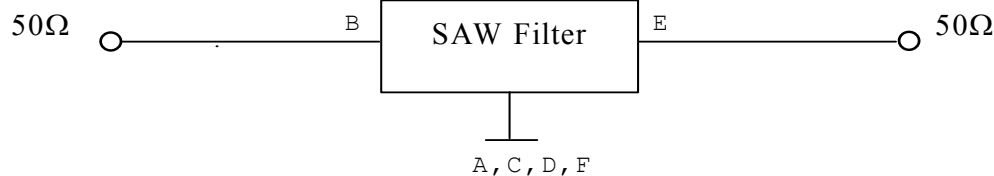
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

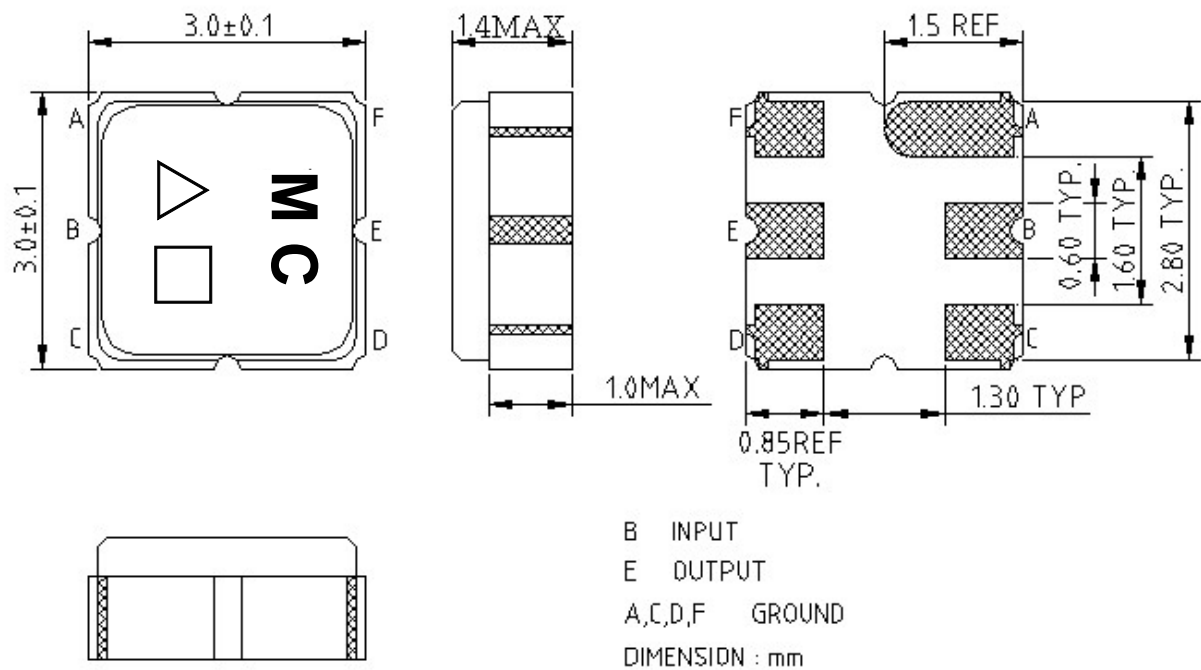
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	1620	-
Insertion Loss at 1620MHz IL	dB	-	1.0	2.0
Amplitude ripple within 1615 ~ 1625 MHz	dB	-	0.35	1.5
VSWR within 1615 ~ 1625 MHz	dB	-	1.60	2.0
Attenuation (Reference level from 0 dB)				
1320 ~ 1565 MHz	dB	32	35.0	-
1565 ~1585 MHz	dB	38	42.6	-
1685 ~ 1920 MHz	dB	34	37.7	
Source impedance Z_S	Ω	-	50	-
Load impedance Z_L	Ω	-	50	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



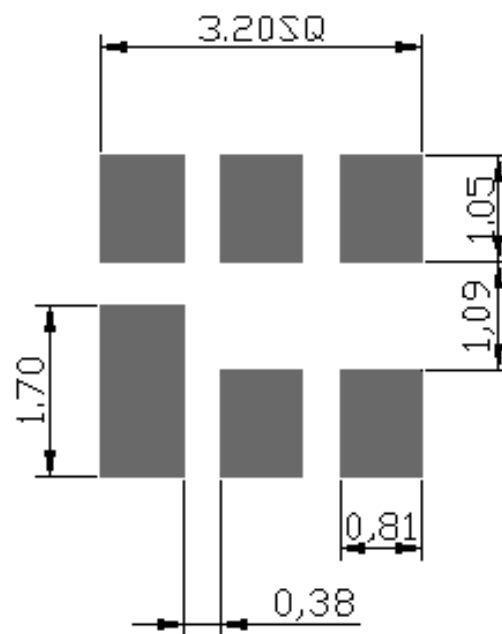
D.OUTLINE DRAWING:



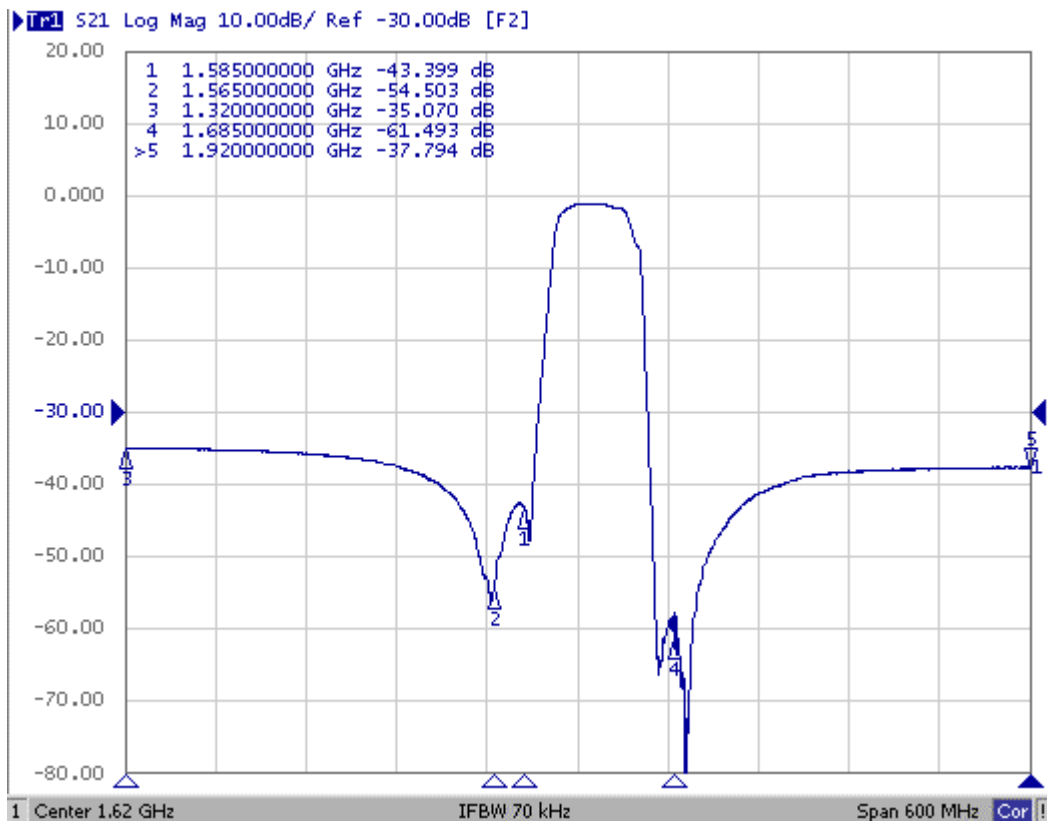
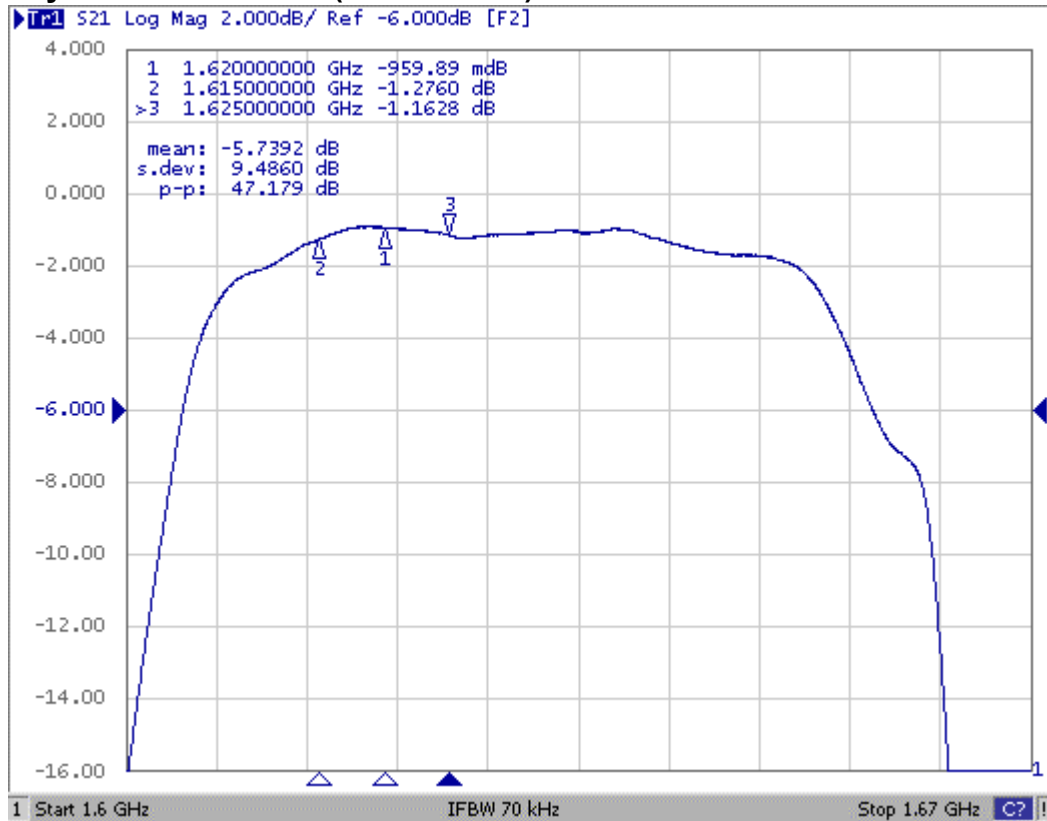
△ : Year Code(2009→9,2010→0...2019→9)

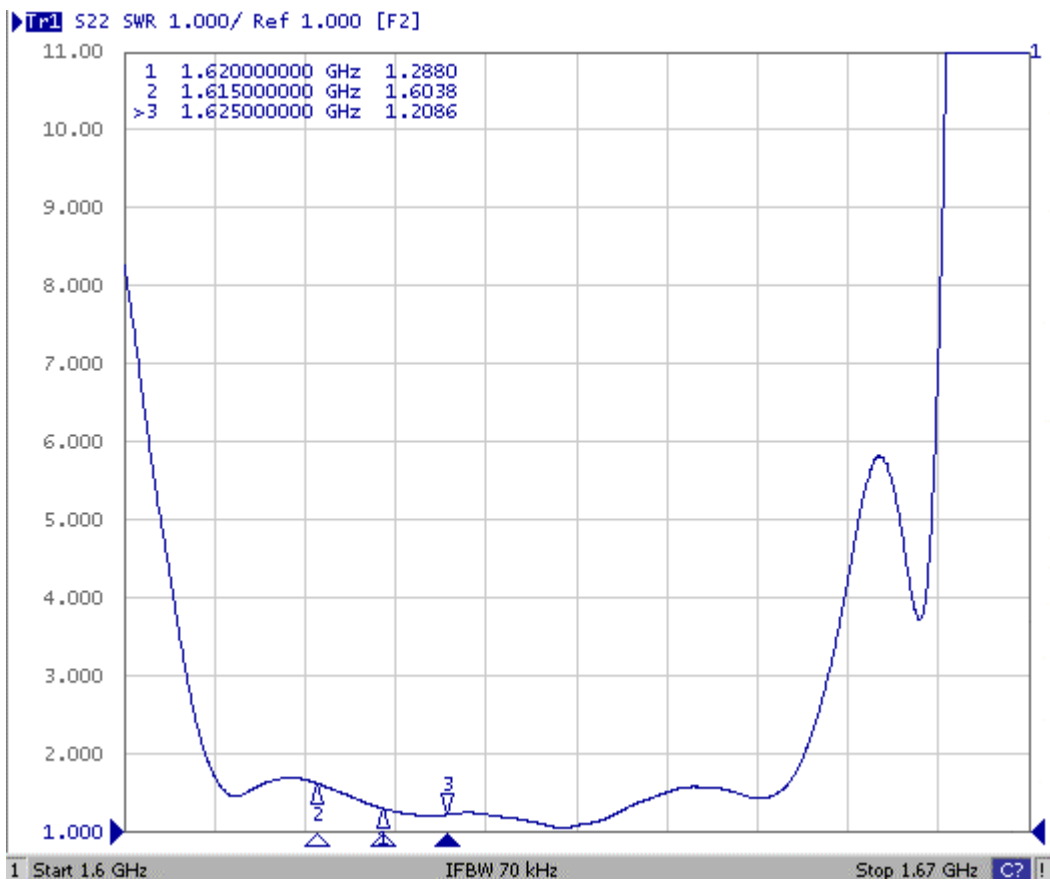
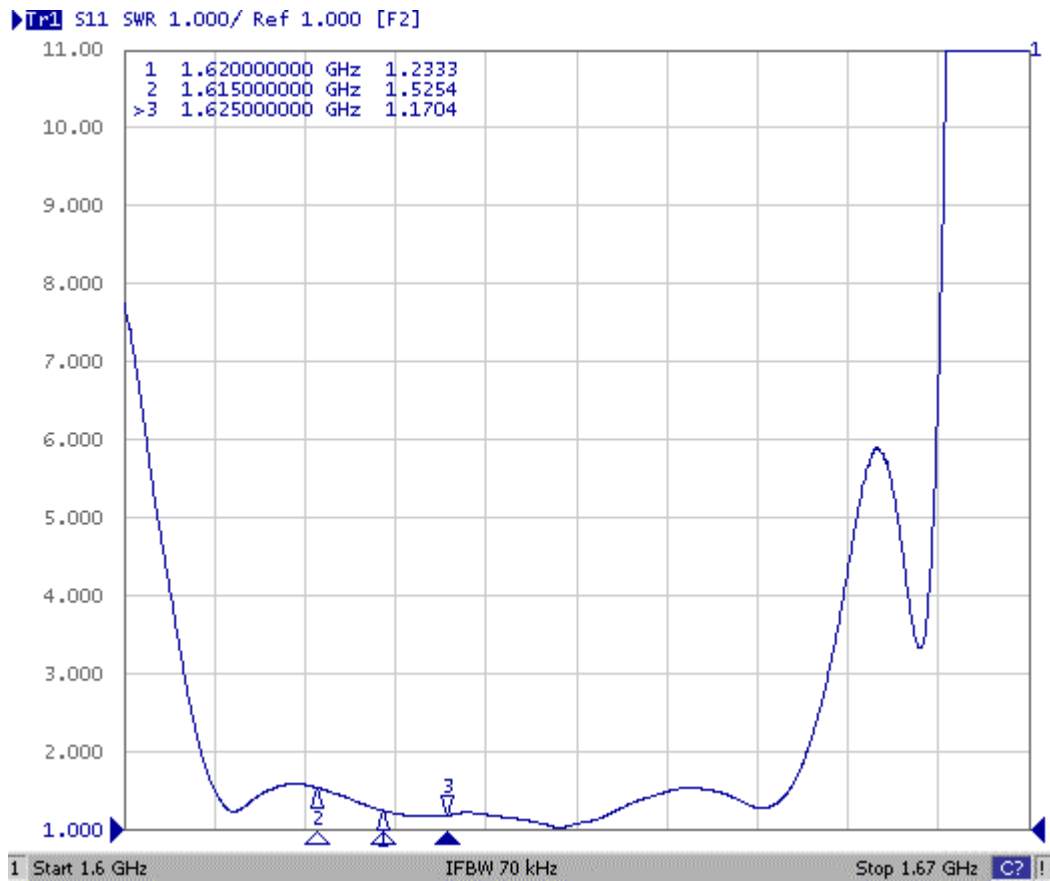
□ : Date Code(Follow the table from planner each year)

E. PCB Foo



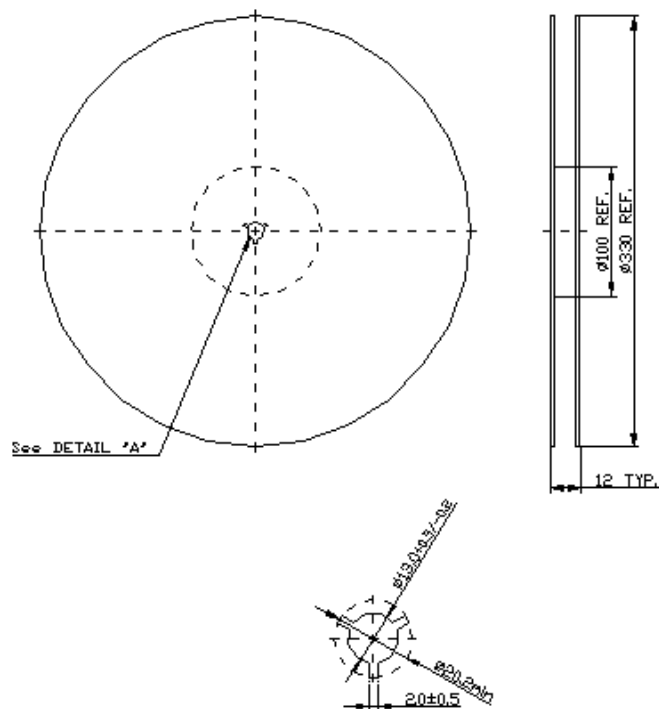
F. Frequency Characteristics : (Simulations)



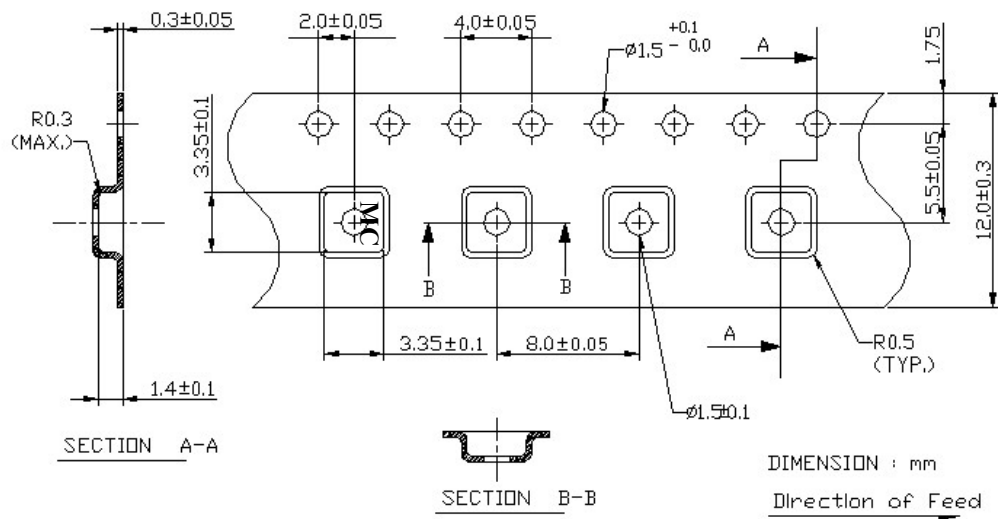


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

