



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 Filter 751 MHz SMD 1109(BW=10MHz)

TST Part No.: TA2622A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Anne Chen 

Approved by: _____ Andy Yu 

Date: _____ 2020 . 05. 19

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 751MHz SMD1.1x0.9mm (10MHz BW)

MODEL NO.:TA2622A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level : 13dBm
2. DC Voltage : $\pm 5V$
3. Operating Temperature: -30 °C to +85 °C
4. Storage Temperature: -40 °C to +100 °C
5. Moisture Sensitivity Level: Level 1
- 6 .ESD 100V(MM) 200V(HBM)

RoHS Compliant

Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

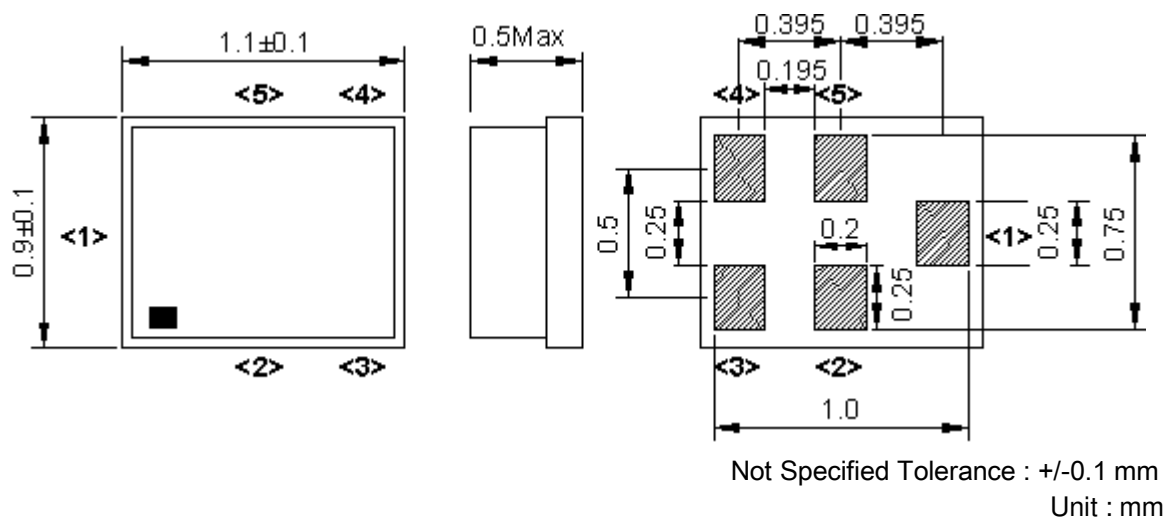
Terminating source impedance : Input = 50 Ω (Unbalanced)

Terminating load impedance : Output = 100 Ω (Balanced)

Item	Unit	Min.	Typ.	Max.	Note
Insertion Loss (746 ~ 756MHz) IL	dB(*1)	-	2.1	3.0	
Amplitude Ripple (746 ~ 756MHz)	dB	-	0.4	2.0	
VSWR(Input) (746 ~ 756MHz)			1.8	2.2	
VSWR(Output) (746 ~ 756MHz)			1.7	2.2	
Amplitude balance (746 ~ 756MHz)	dB	-1.0	-0.1/+0.1	+1.0	
Phase balance (746 ~ 756MHz)	degree	-10	-0.1/+1.1	+10	
Attenuation (reference level from 0 dB)					
DC ~ 716 MHz	dB	40	55	-	-
716 ~ 722 MHz	dB	34	49	-	
777 ~ 787 MHz	dB	48	57	-	
808 ~ 818 MHz	dB	44	50	-	
1400 ~ 2300 MHz	dB	45	58	-	
2300 ~ 3000 MHz	dB	40	57	-	
3000 ~ 4000 MHz	dB	35	56	-	
4000 ~ 5000 MHz	dB	30	55	-	
5000 ~ 6000 MHz	dB	25	50	-	

(*1) Specification of insertion loss excludes loss that comes from the test board.

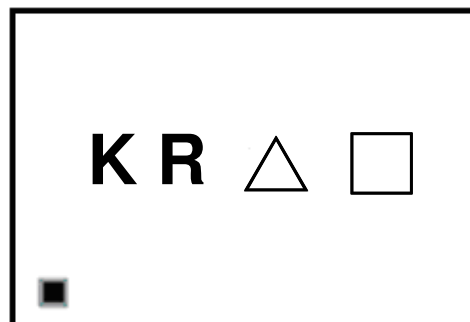
C.OUTLINE DRAWING:



Pin configuration

Pin No.	Symbol	Function
1	IN	Input
2	GND	Ground
3	OUT	Output (Balanced)
4	OUT	Output (Balanced)
5	GND	Ground

Top View (Mass Production)



Marking name : KR

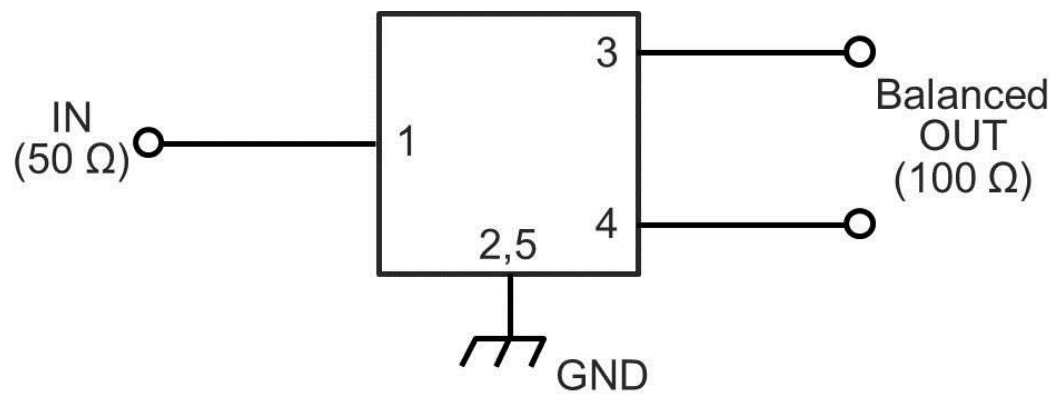
△ : Date Code

□ : Lot No. (Indicated by 0~9 or A to Z and a to z, except I, O, i, o and l)

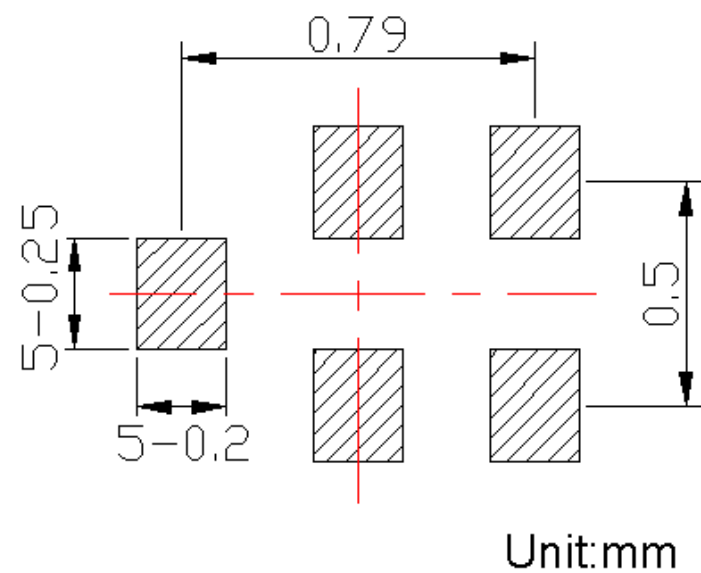
Date Code. Follow below table. (4-year cycle)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2019 / 2023	a	b	c	d	e	f	g	h	j	k	l	m
2020 / 2024	n	p	q	r	s	t	u	v	w	x	y	z
2021 / 2025	A	B	C	D	E	F	G	H	J	K	L	M
2022 / 2026	N	P	Q	R	S	T	U	V	W	X	Y	Z

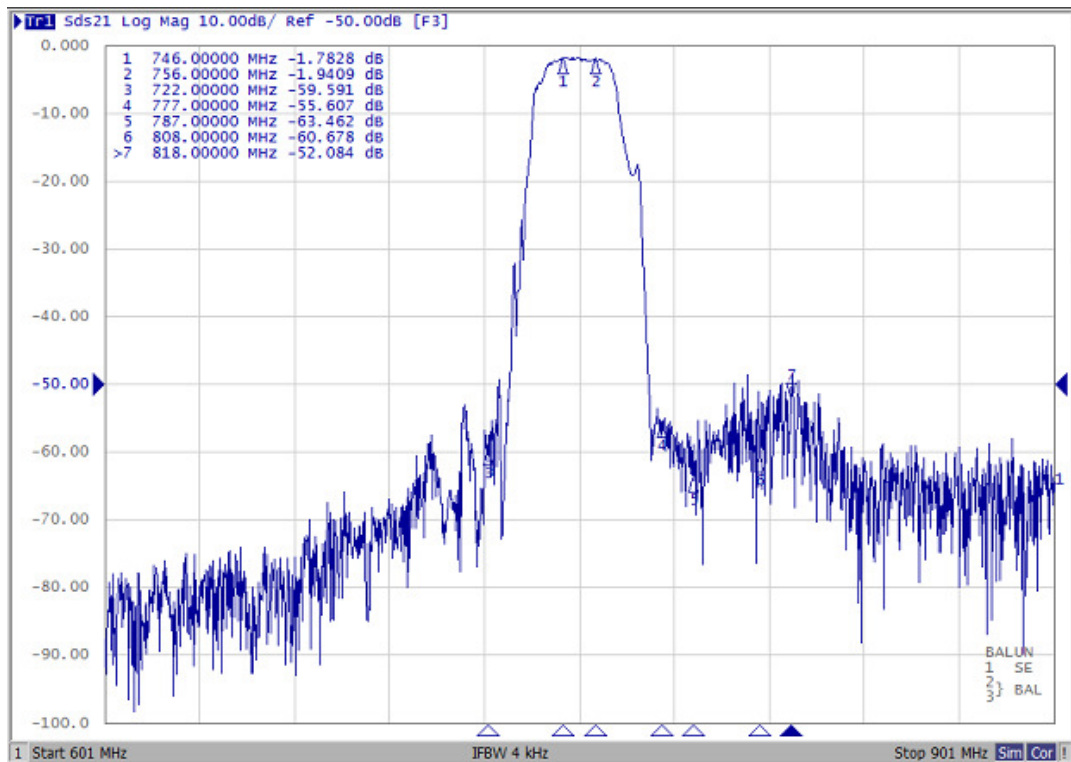
D.MEASUREMENT CIRCUIT:



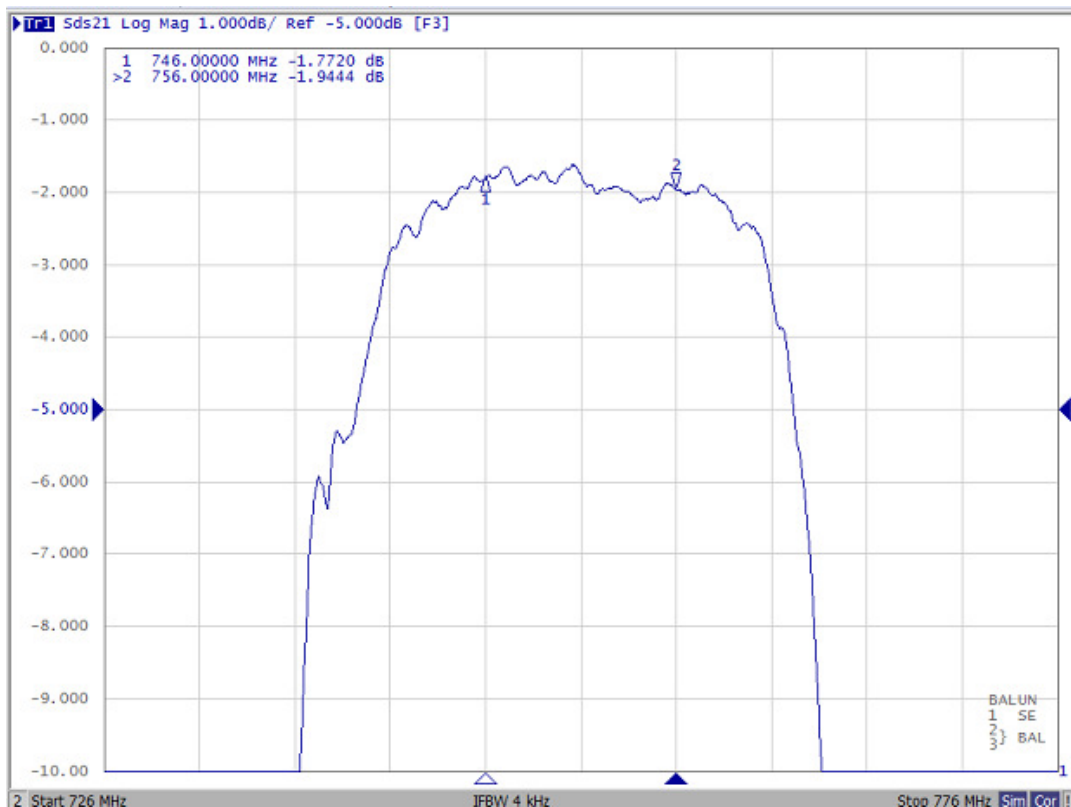
E.PCB Footprint :



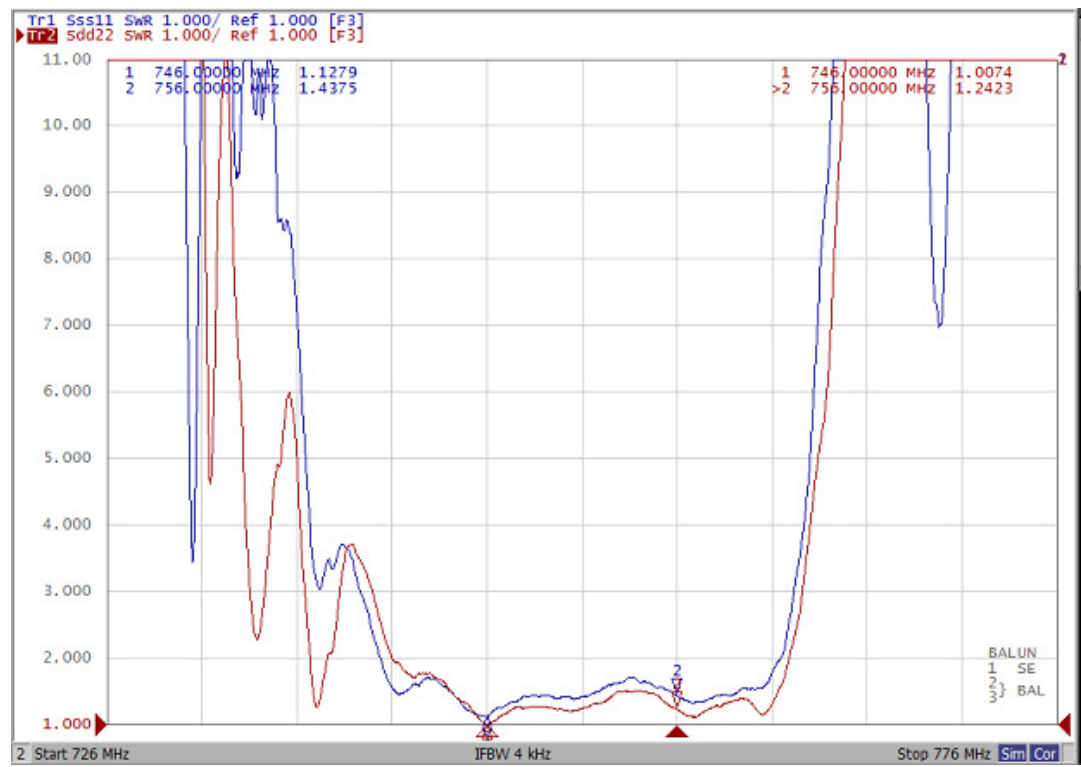
F.Frequency Characteristics Passband



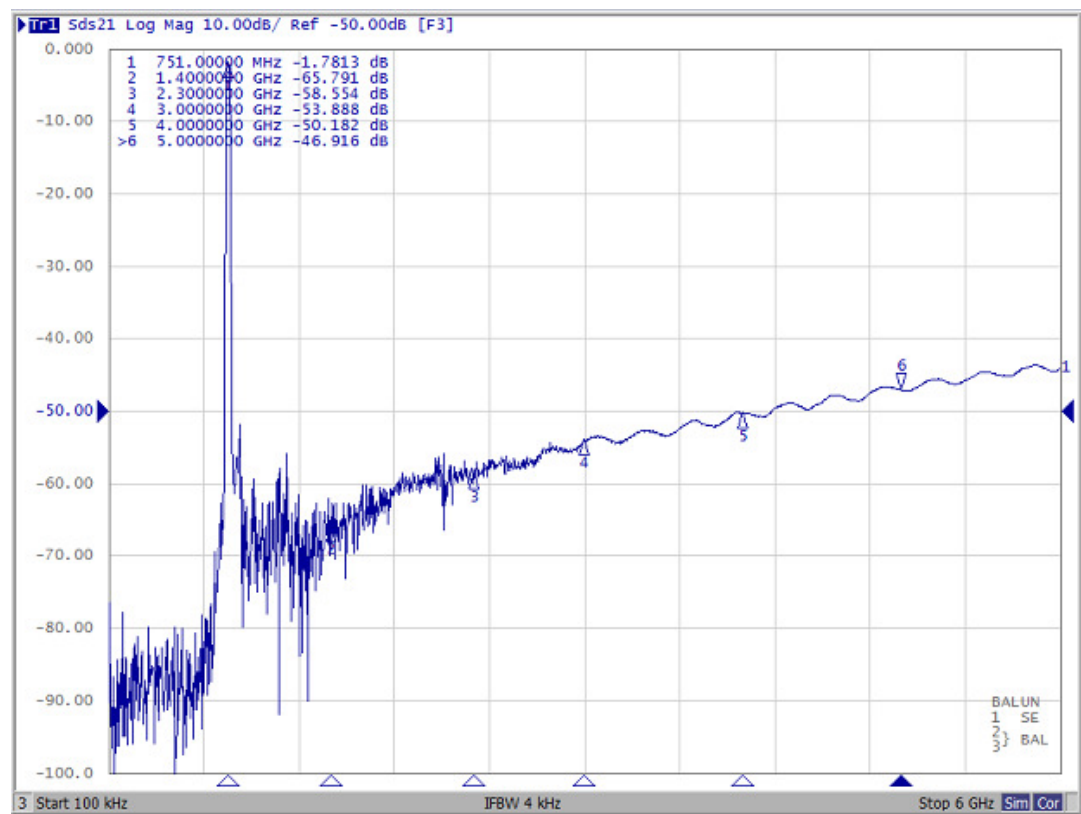
In-band Characteristic



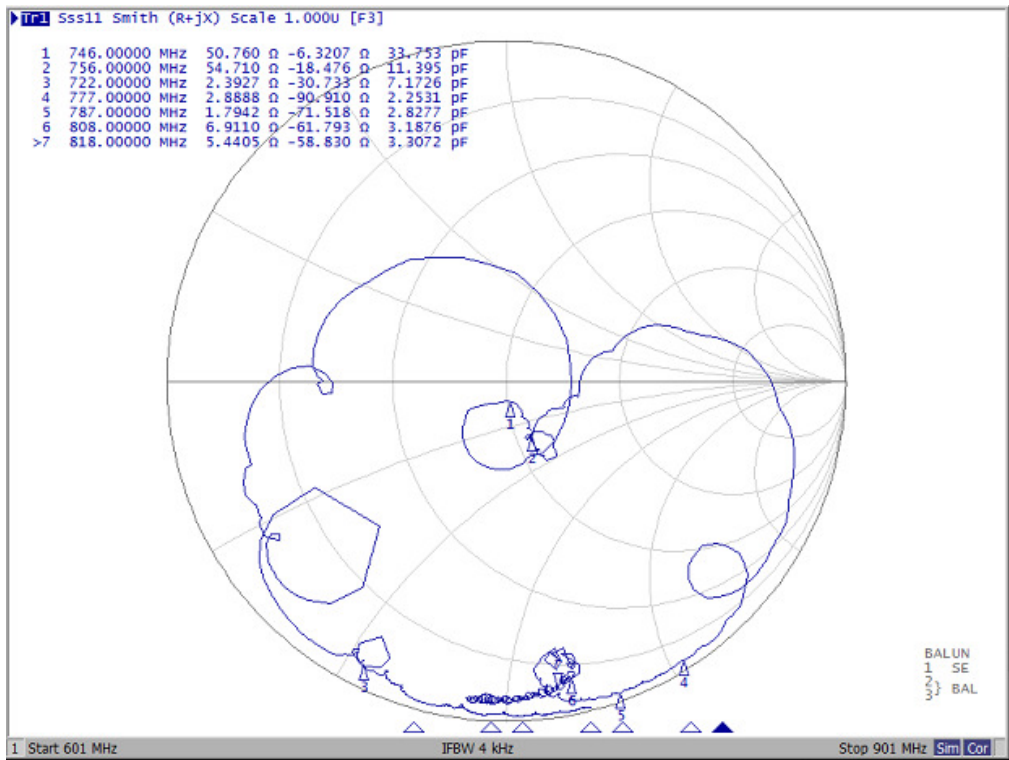
VSWR



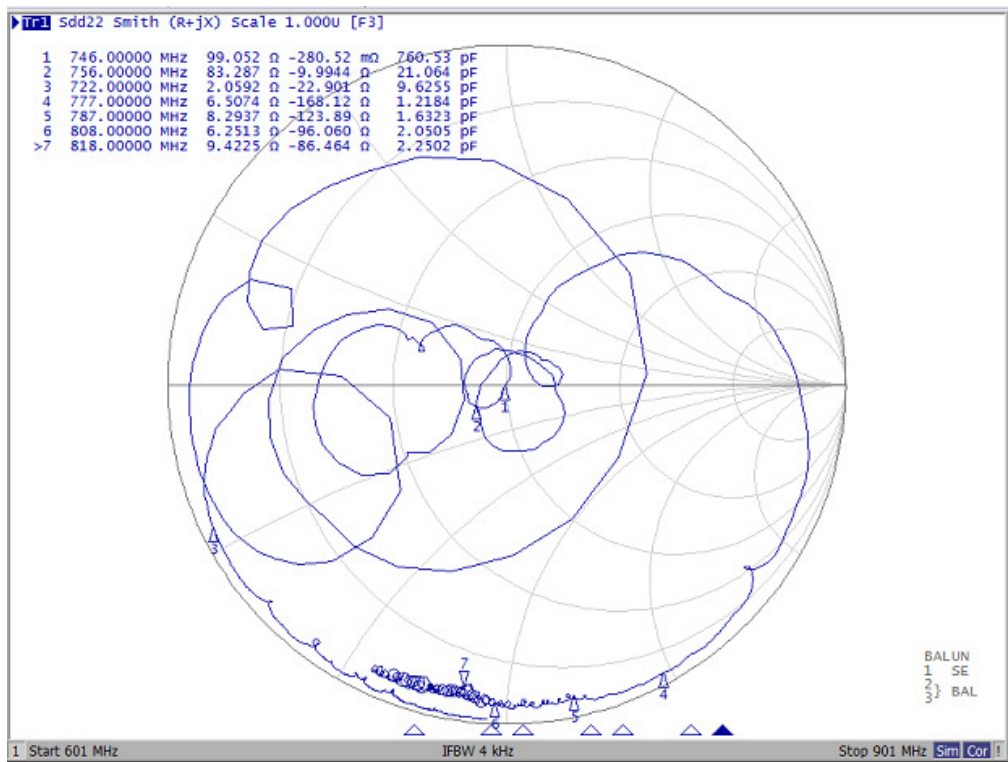
Wide-band Characteristic



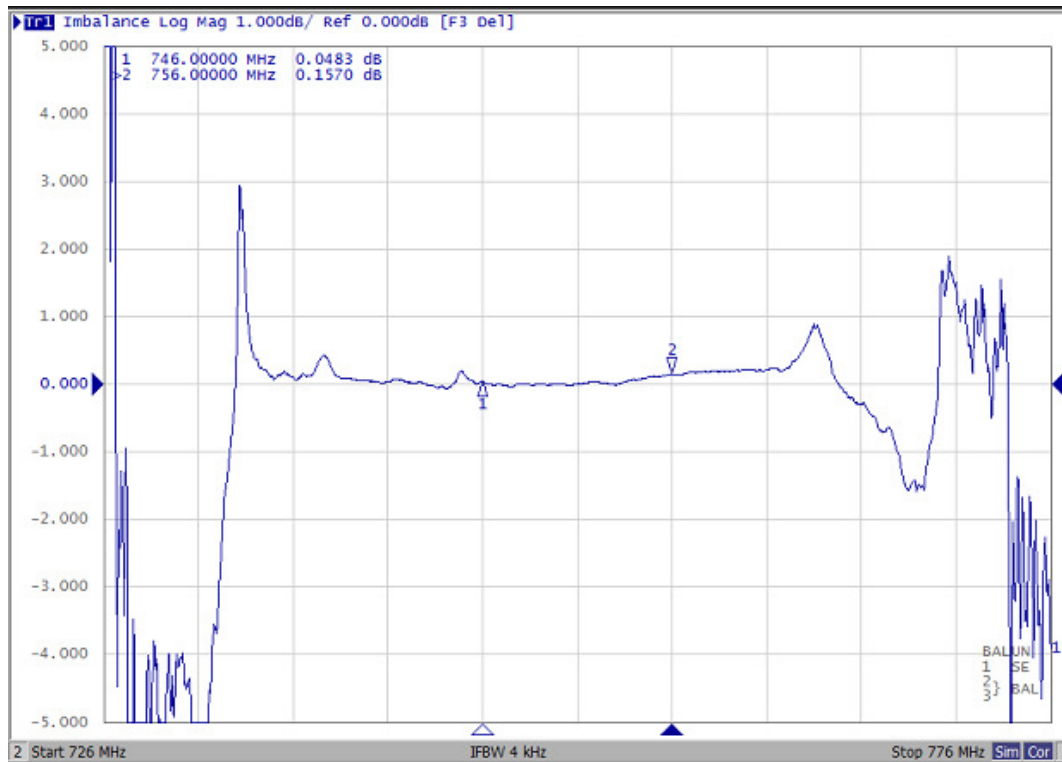
Impedance (INPUT)



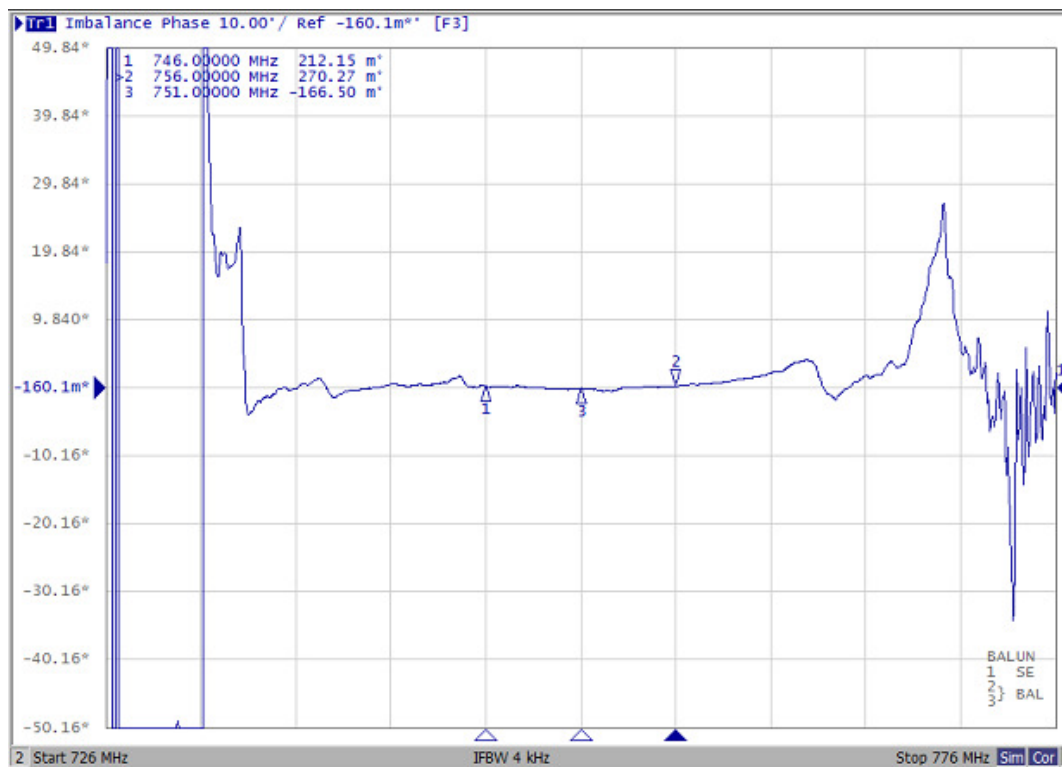
Impedance (OUTPUT)



Amplitude Balance



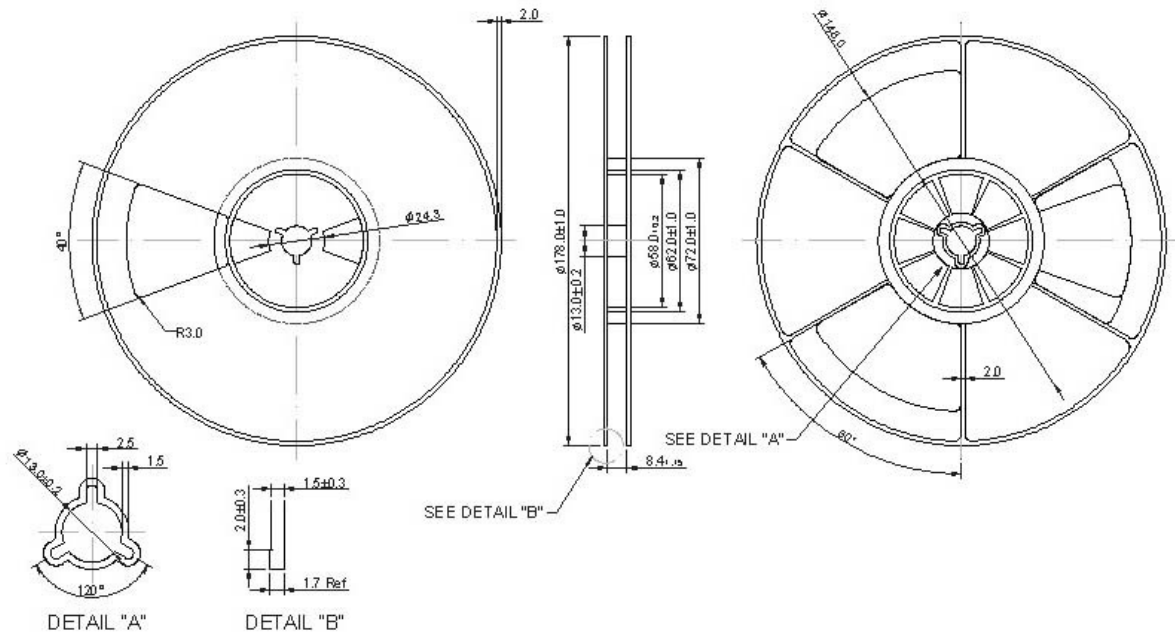
Phase Balance



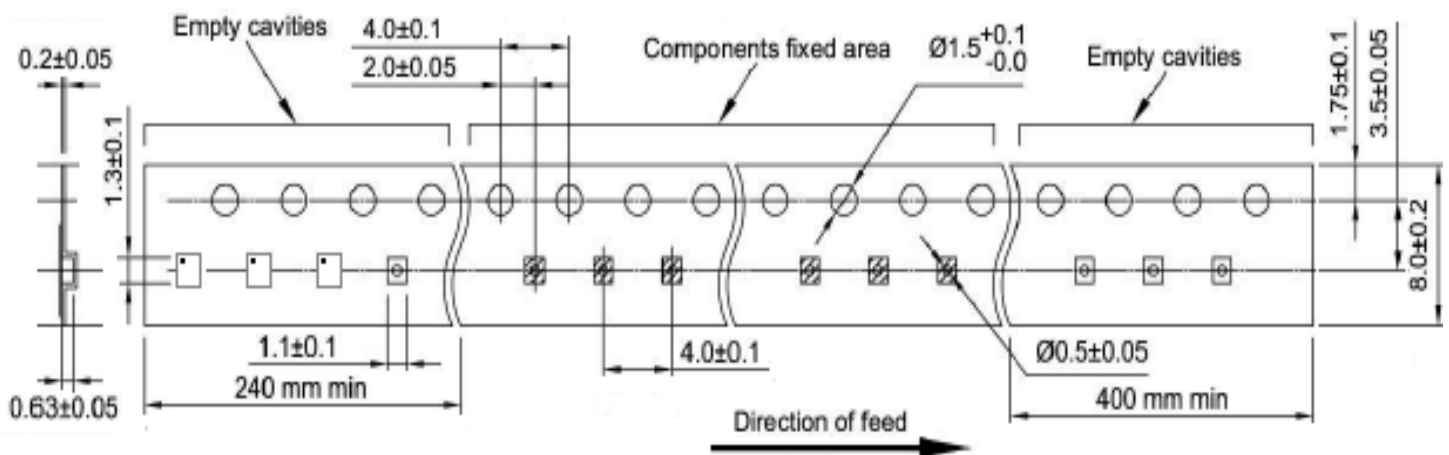
G. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



H. 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.

