

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: $-30^{\circ}C$ to $+85^{\circ}C$
4. Storage Temperature: $-40^{\circ}C$ to $+100^{\circ}C$
5. Moisture Sensitivity Level: Level 1
- 6 .ESD 100V(MM) 200V(HBM)



Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

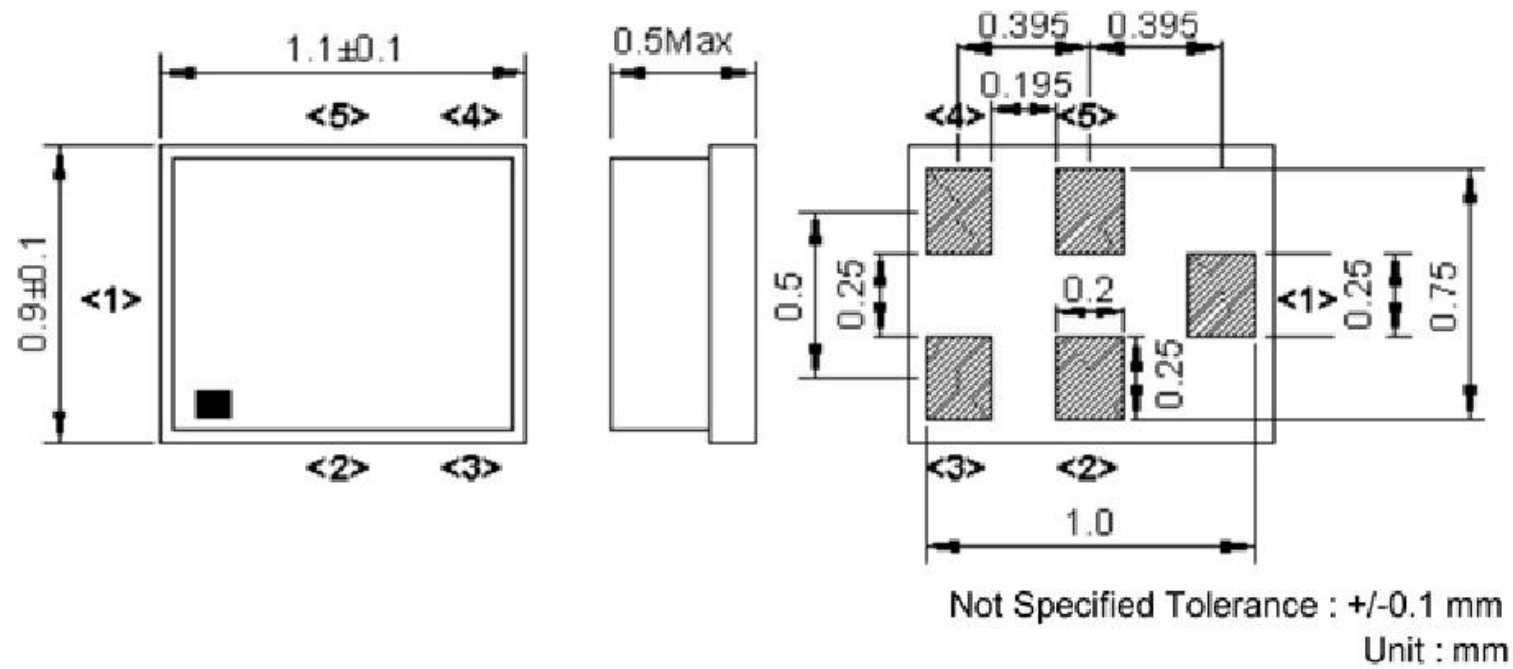
Terminating source impedance : Input = 50Ω (Unbalanced)

Terminating load impedance : Output = 100Ω (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

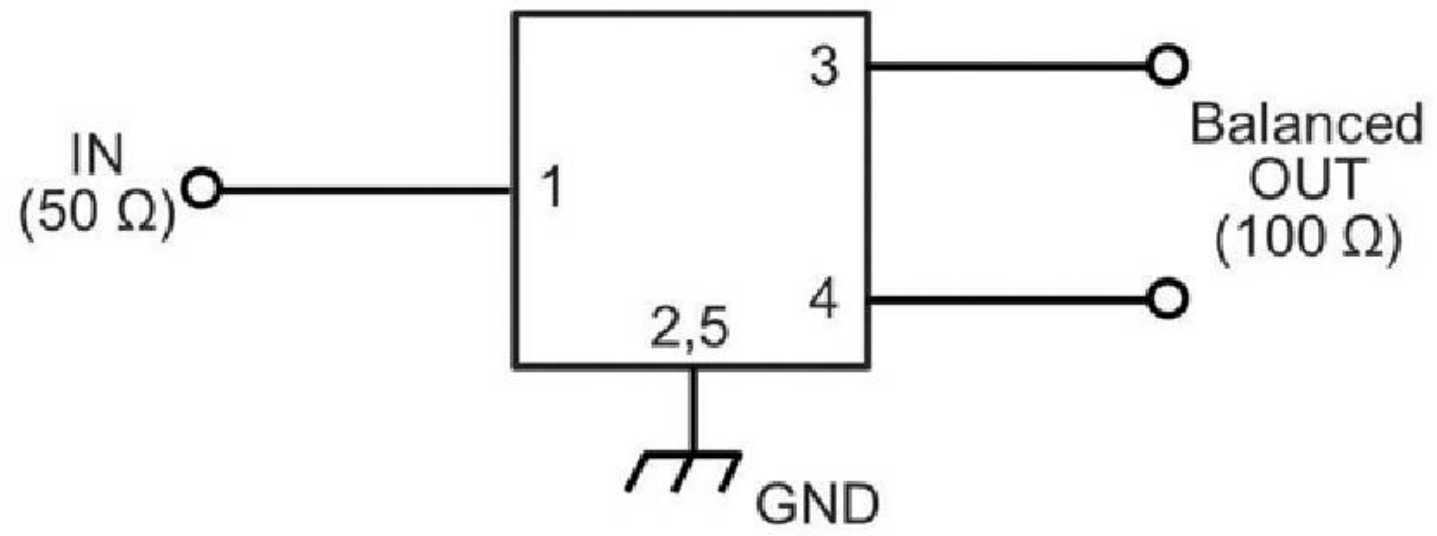
△ : Date Code

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

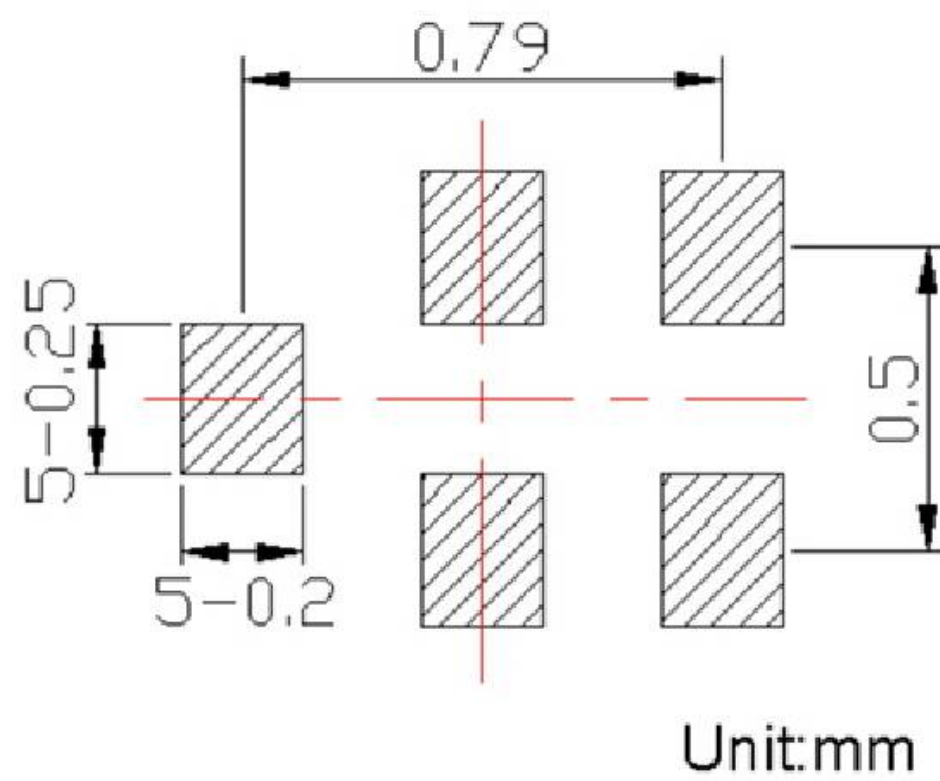
Date Code. Follow below table. (4-year cycle)

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

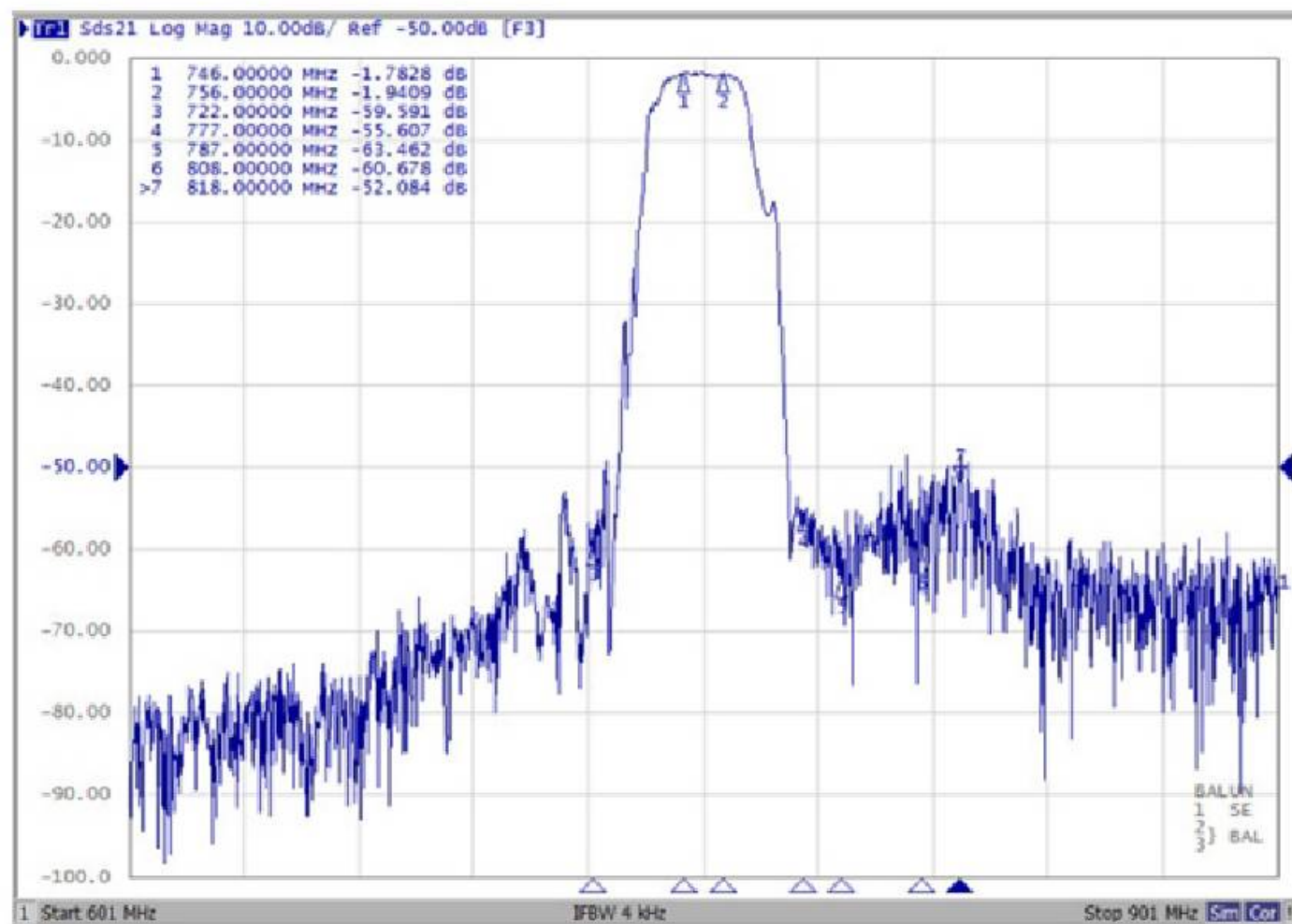
D.MEASUREMENT CIRCUIT:



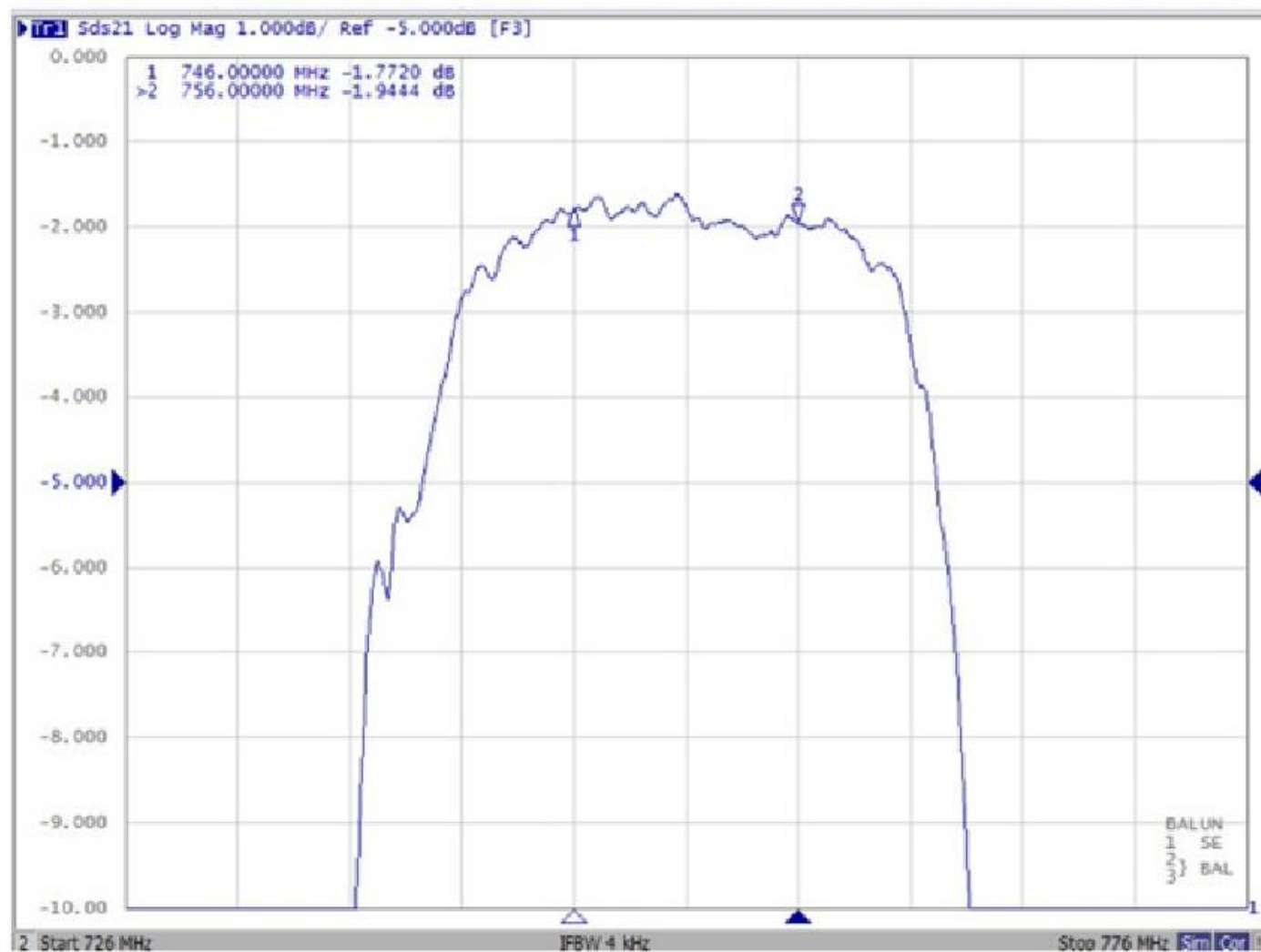
E.PCB Footprint :



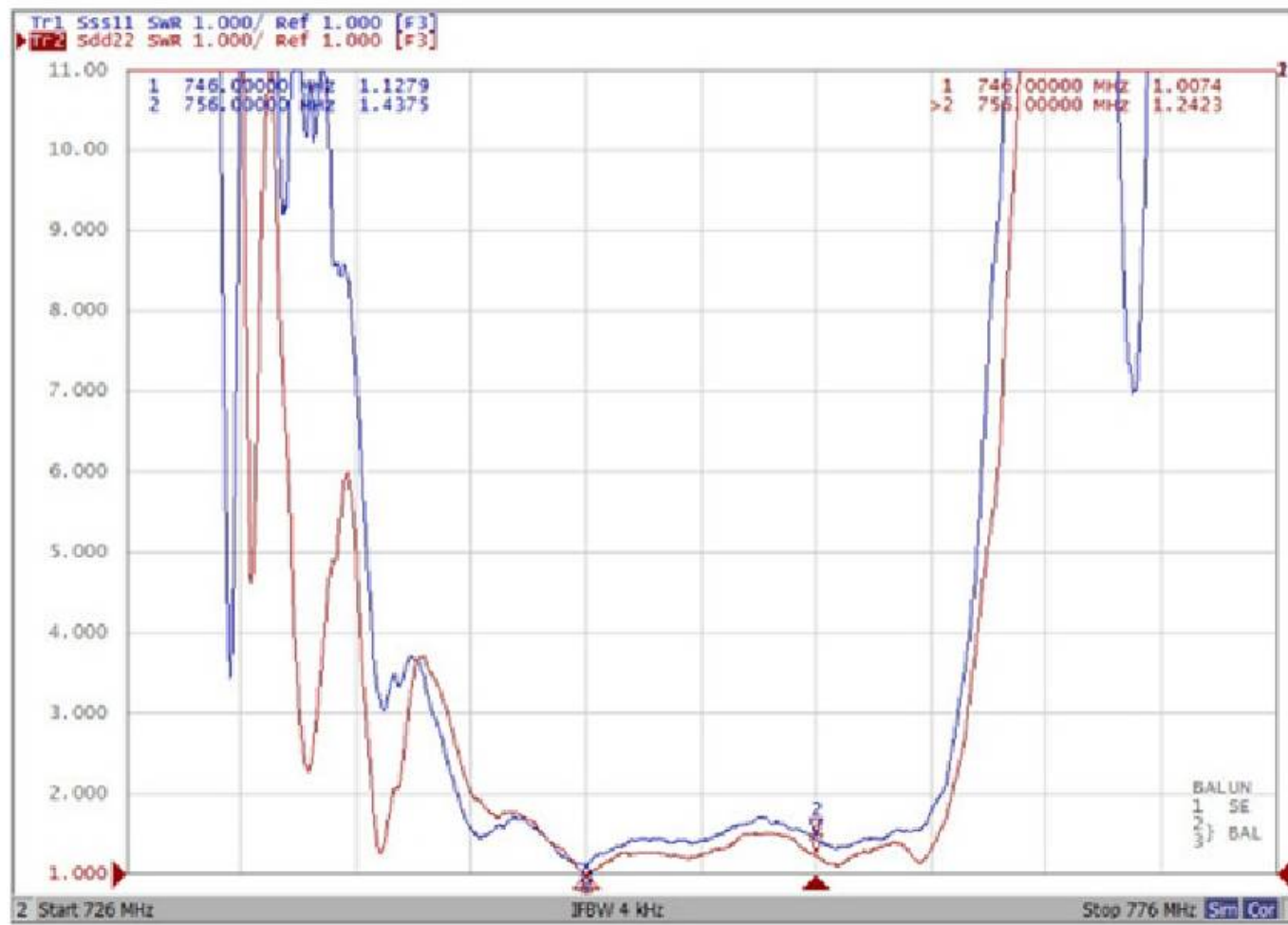
F. Frequency Characteristics Passband



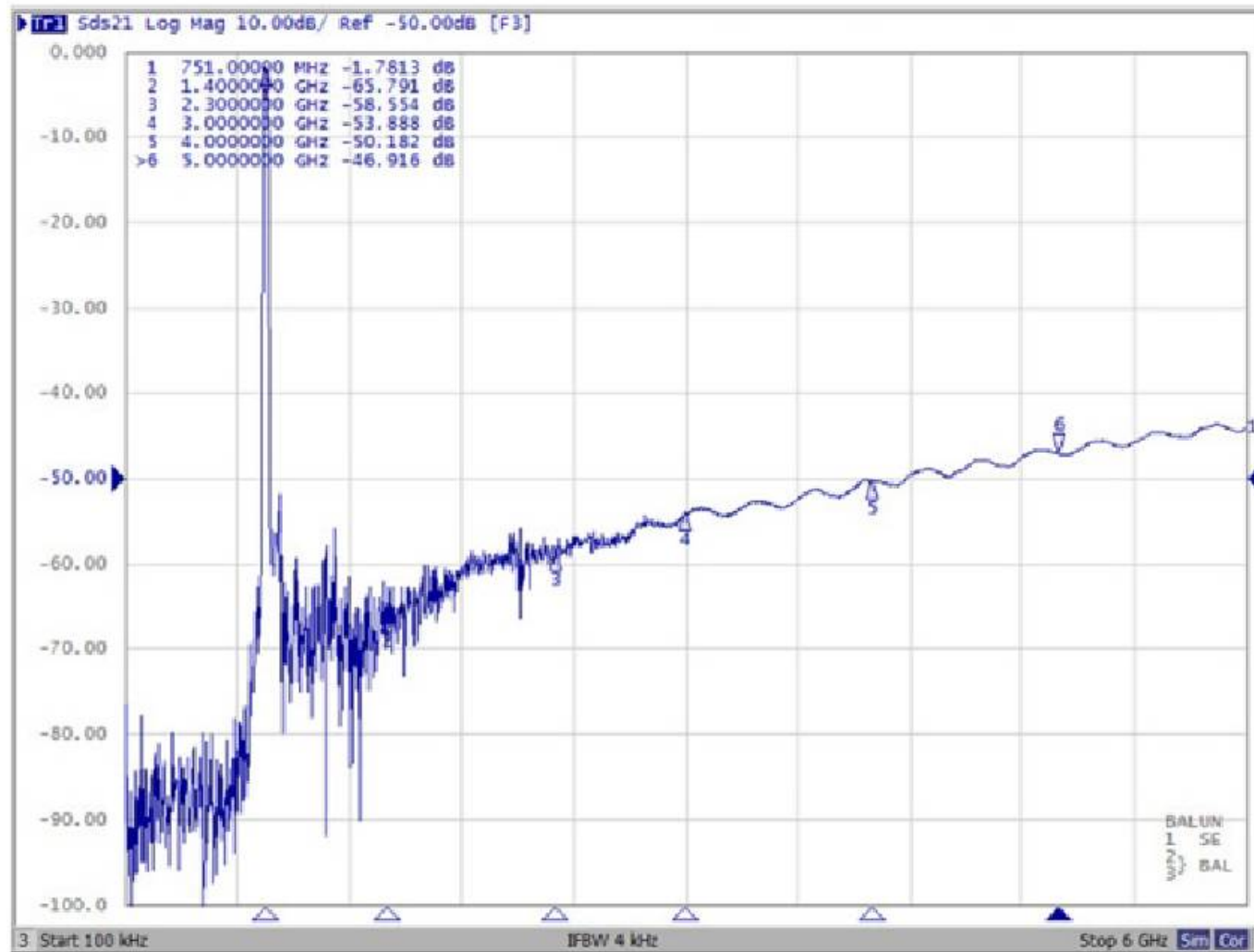
In-band Characteristic



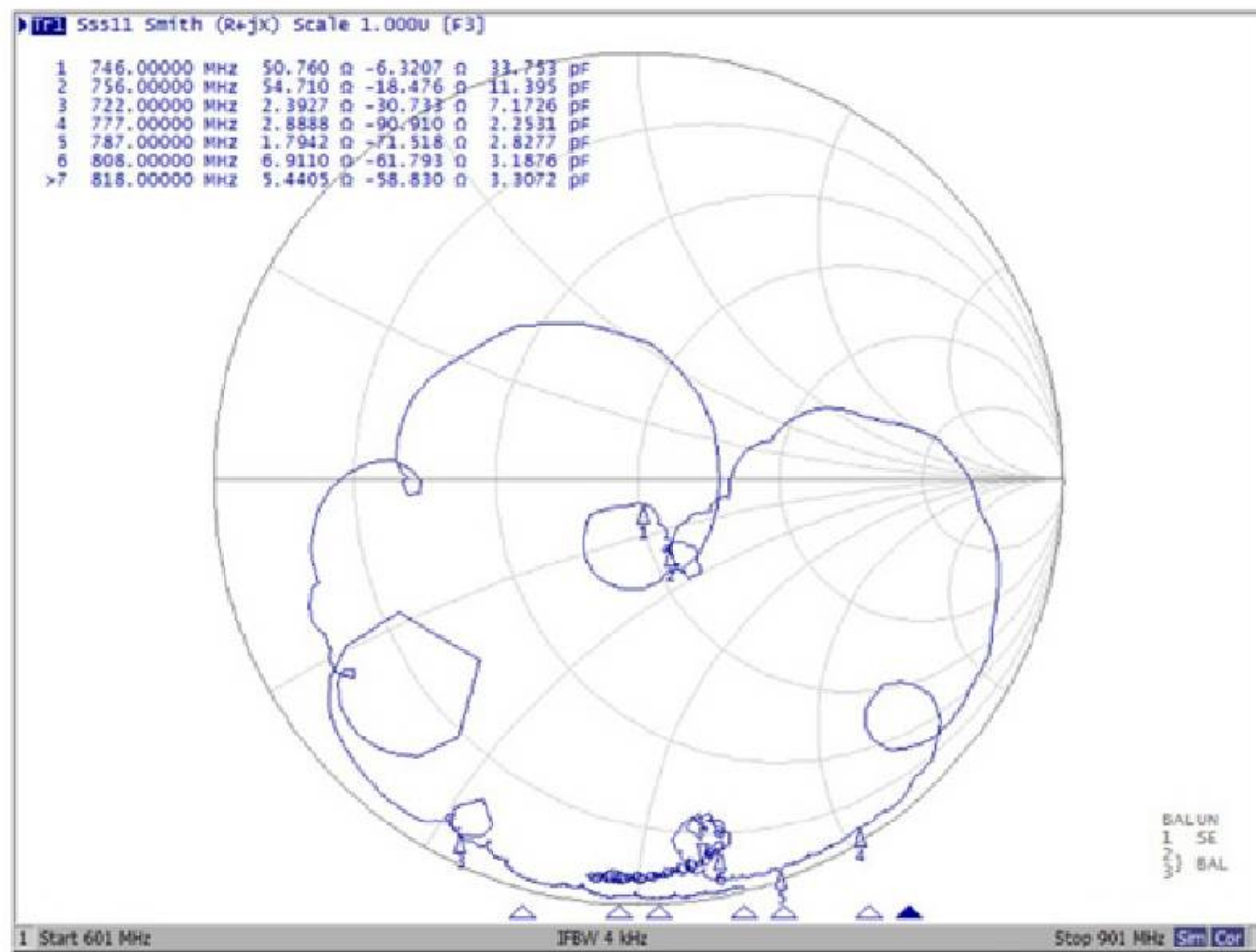
VSWR



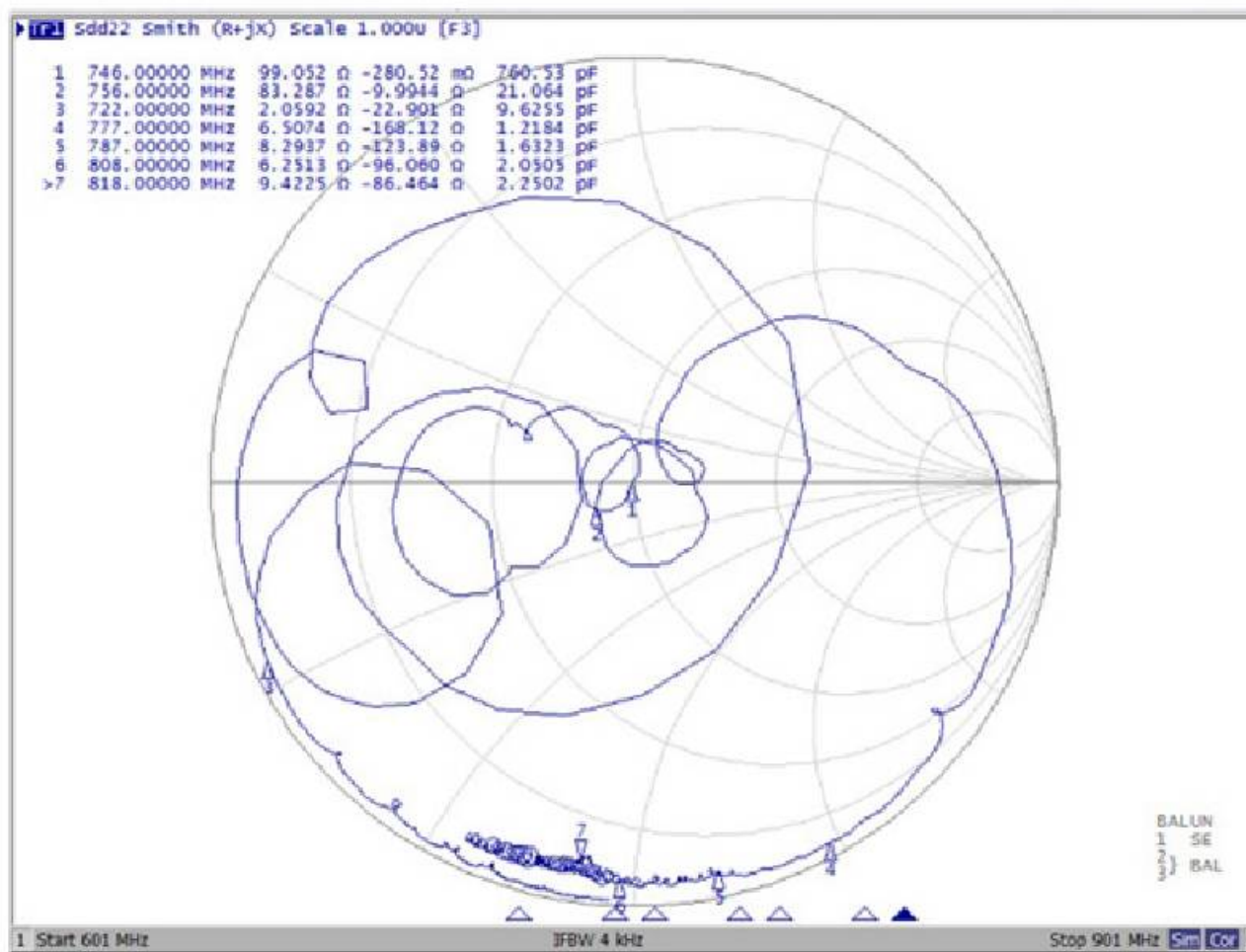
Wide-band Characteristic



Impedance (INPUT)



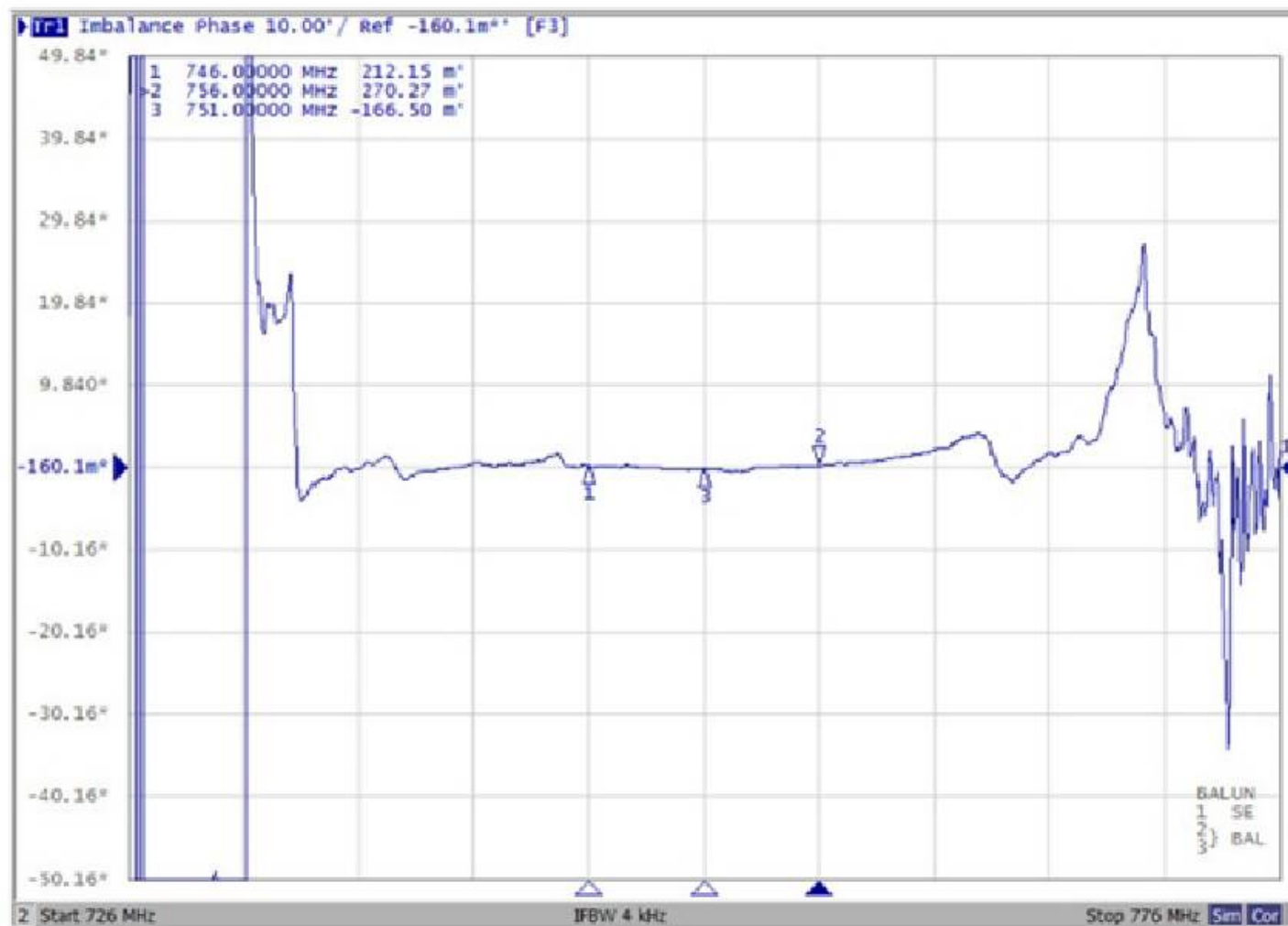
Impedance (OUTPUT)



Amplitude Balance



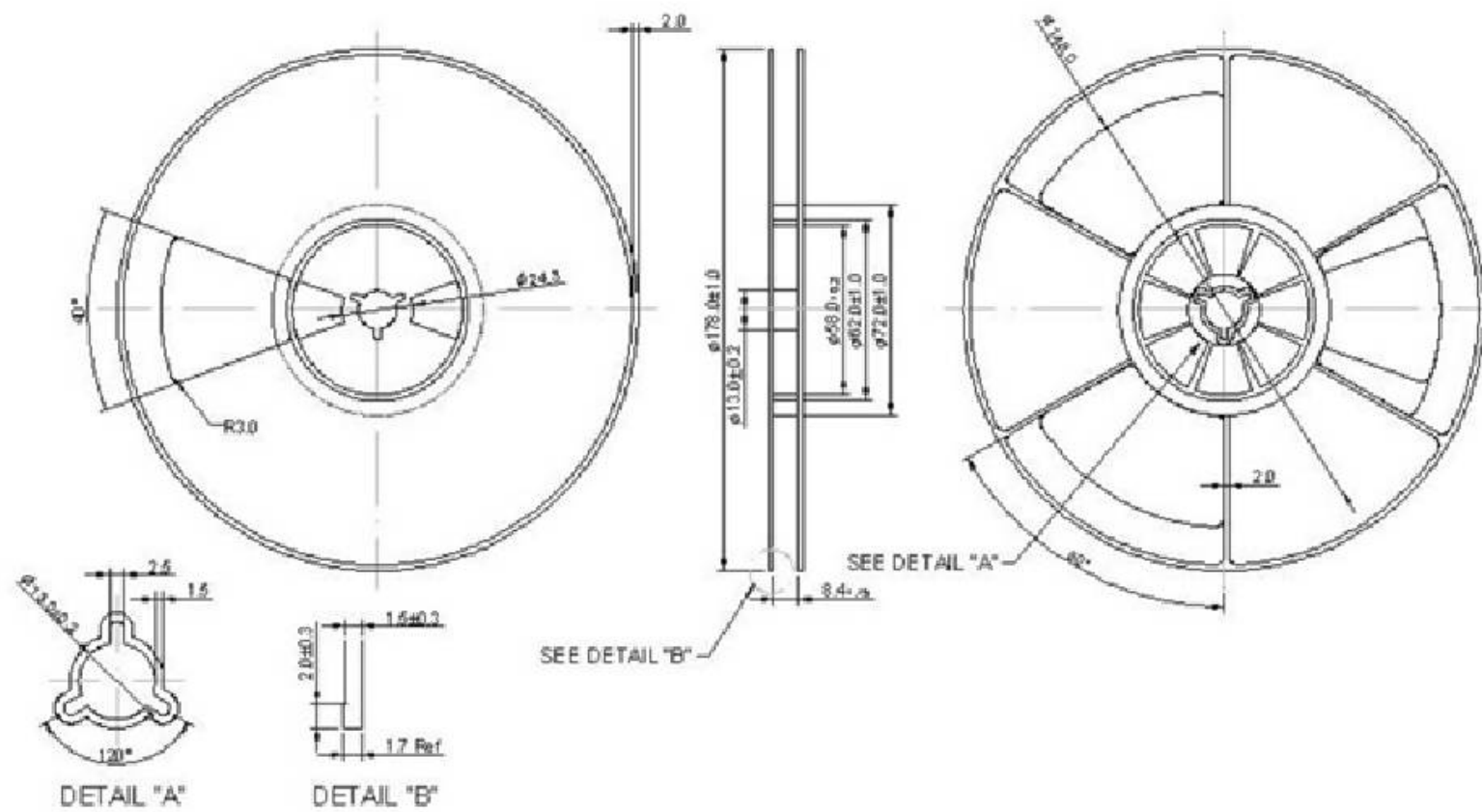
Phase Balance



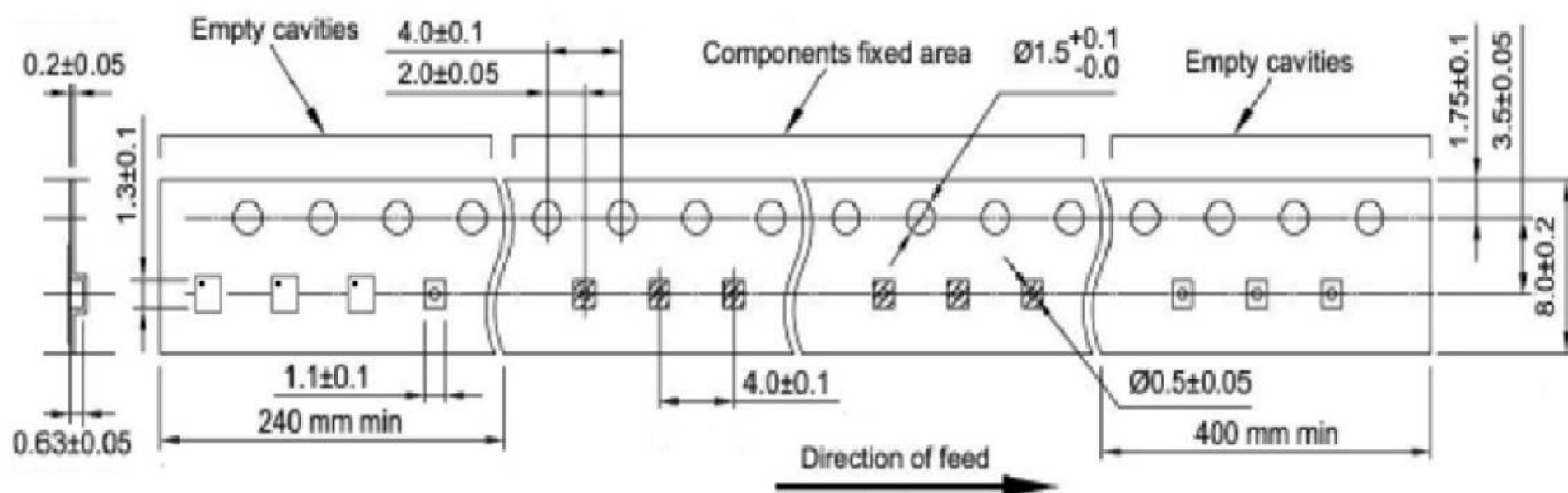
G. PACKING:

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.

