SAW Filter 876.5 MHz (BW 35MHz) SMD 1.1x0.9x0.5mm

MODEL NO.:TA2016A REV. NO.:4.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -55°C to +125°C
5. Moisture Sensitive Level：Level 3(MSL3)
6. ESD 100V(MM) 200V(HBM)

RoHS Compliant

Lead-free soldering

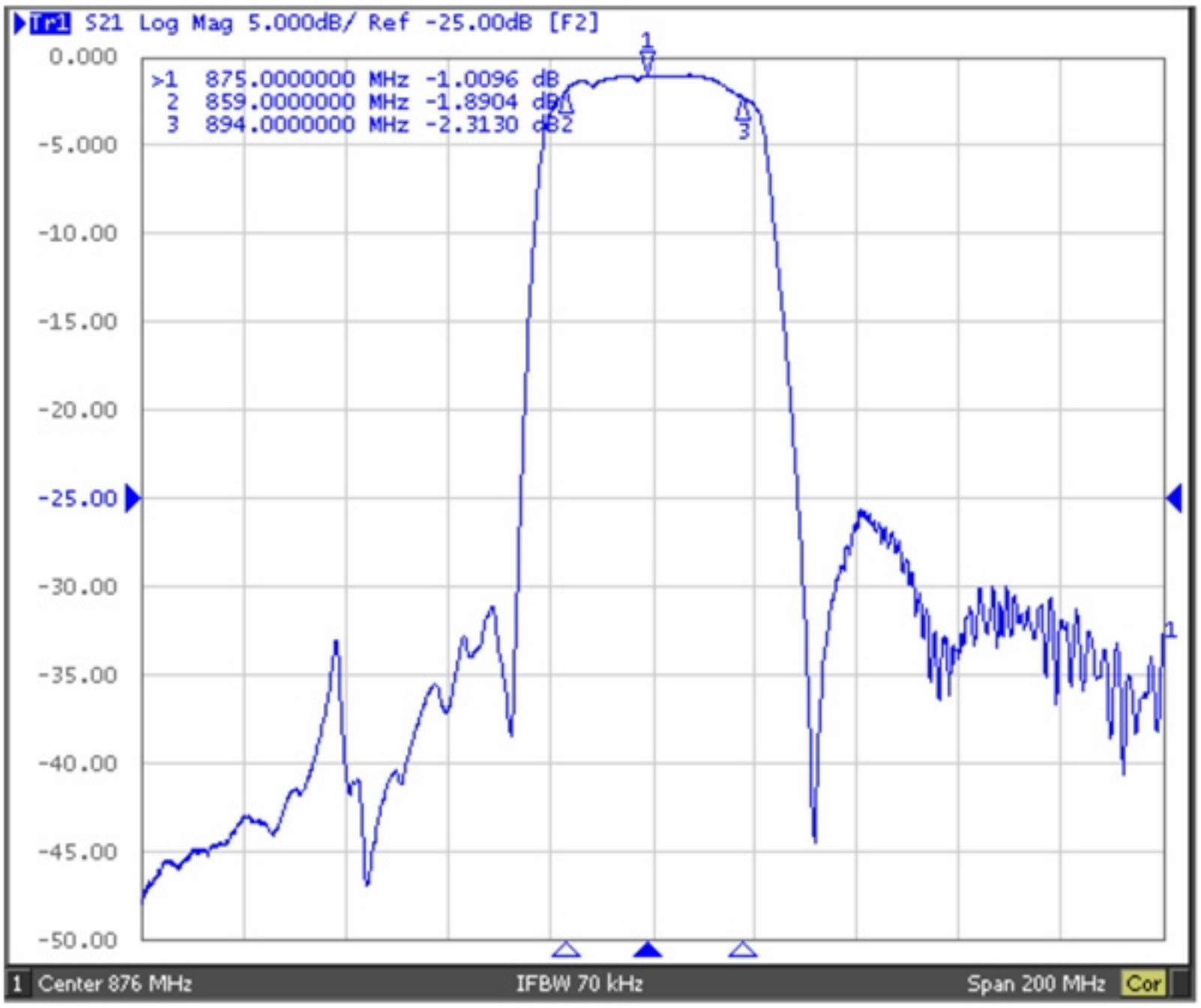
Electrostatic **S**ensitive **D**evice (**ESD**)

B. ELECTRICAL CHARACTERISTICS:

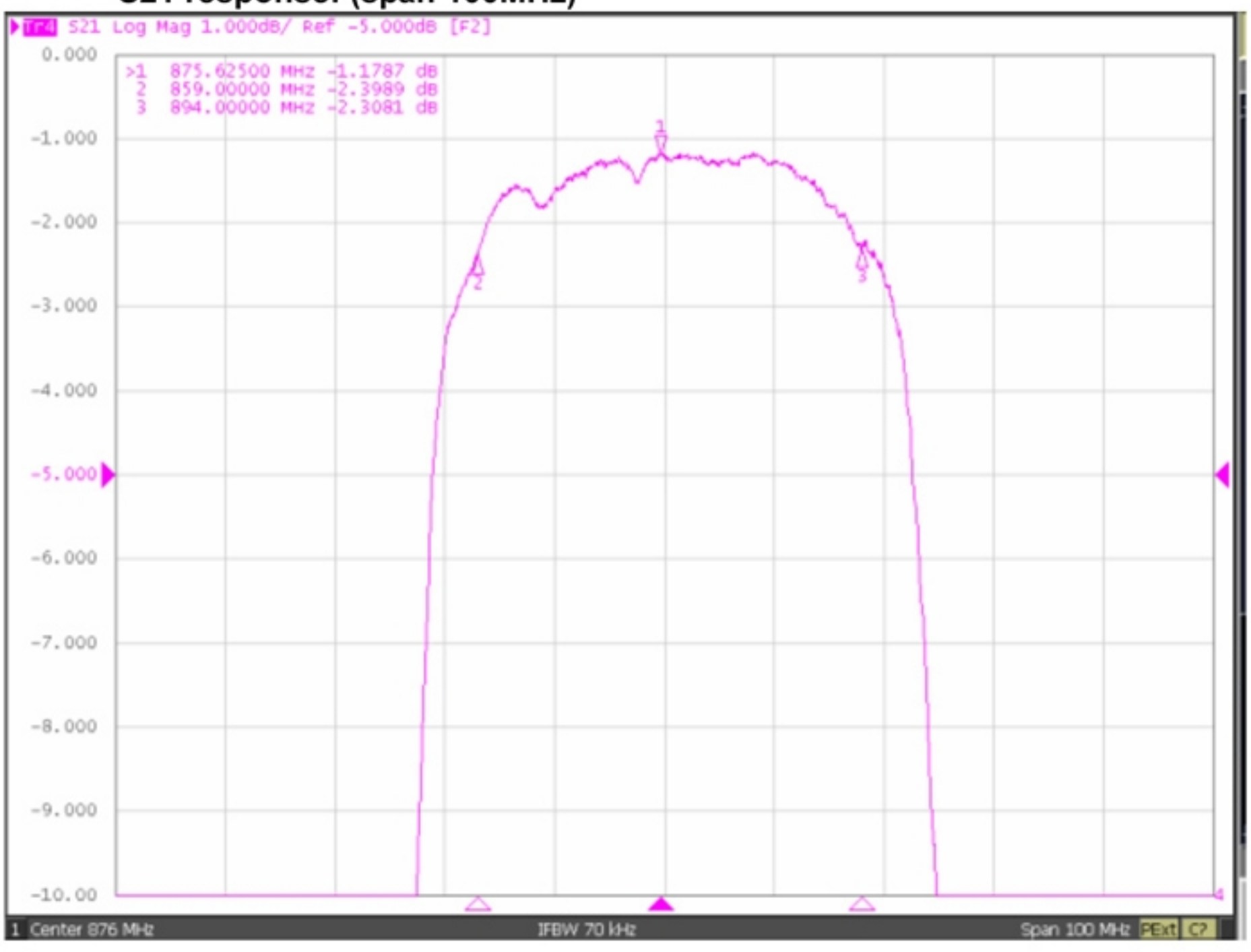
Item		Unit	Min.	Type.	Max.	Note
Center Frequency	**Fc**	MHz	-	876.5	-	-
Insertion Loss (859~894 MHz)	**IL**	dB	-	2.1	3	-
(859~894 MHz)	**IL**	dB	-	2.1	2.5	23 to 27℃
VSWR (859~894 MHz)			-	2	2.3	-
Amplitude ripple (859~894 MHz)		dB	-	1.2	2.2	-
Attenuation						
1 ~ 447 MHz		dB	40	46	-	-
814 ~ 849 MHz		dB	30	35	-	-
849 ~ 854 MHz		dB	3	22	-	-
849 ~ 854 MHz		dB	10	22	-	23 to 27℃
909 ~ 979 MHz		dB	25	32	-	-
979 ~ 6000 MHz		dB	20	34	-	-
6013 ~ 6258 MHz		dB	20	34	-	-
6258 ~ 12750 MHz		dB	10	15	-	-
Package size		mm	SMD 1.1x0.9			

C.FREQUENCY CHARACTERISTICS:

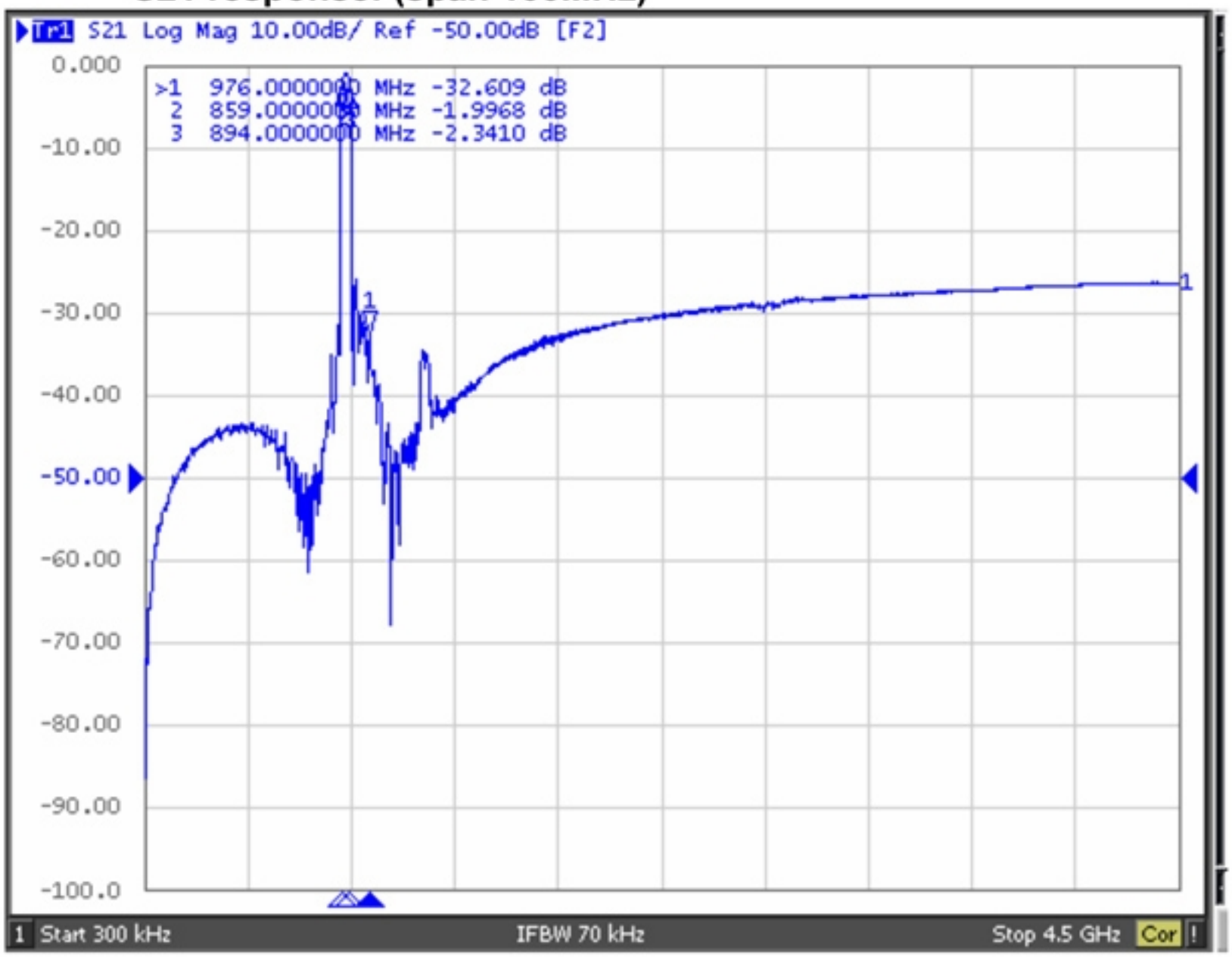
S21 response: (span 200MHz)



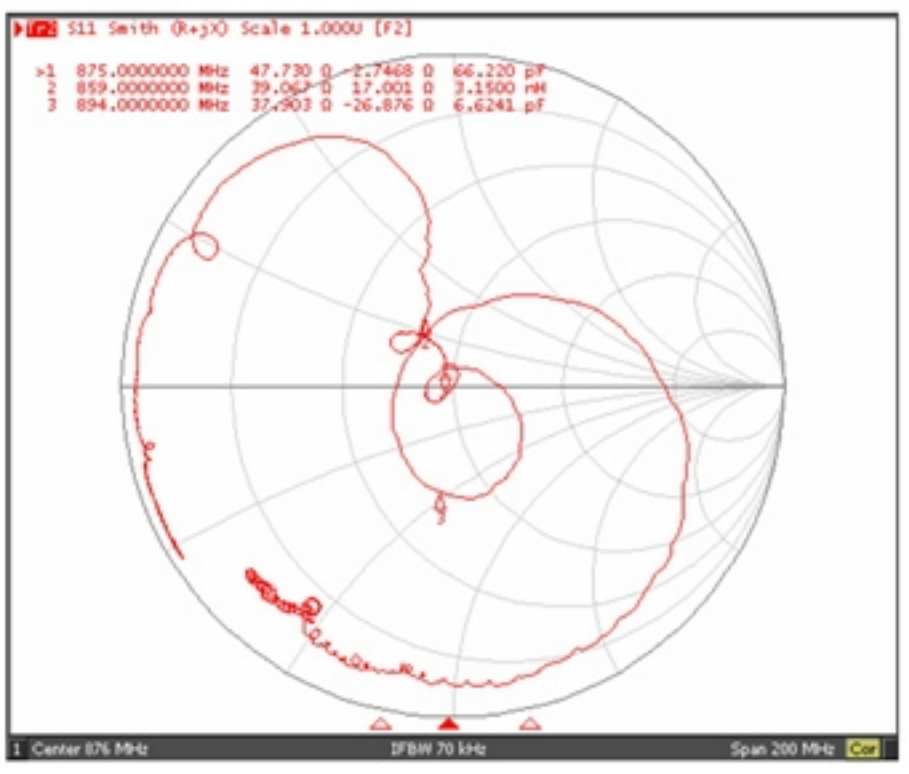
S21 response: (span 100MHz)

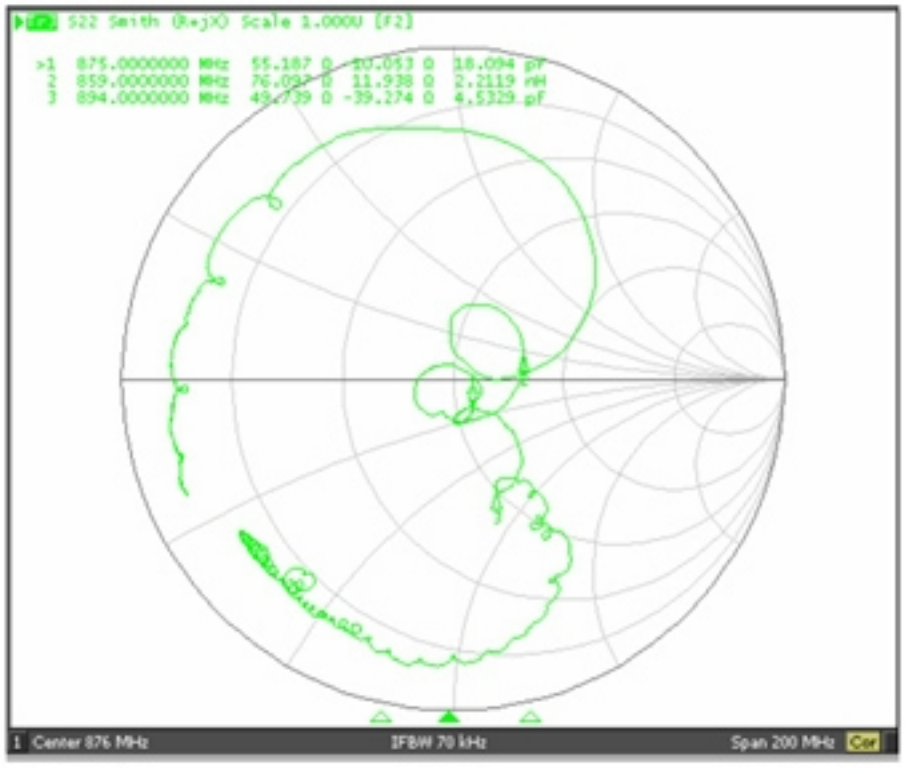


S21 response: (span 100MHz)

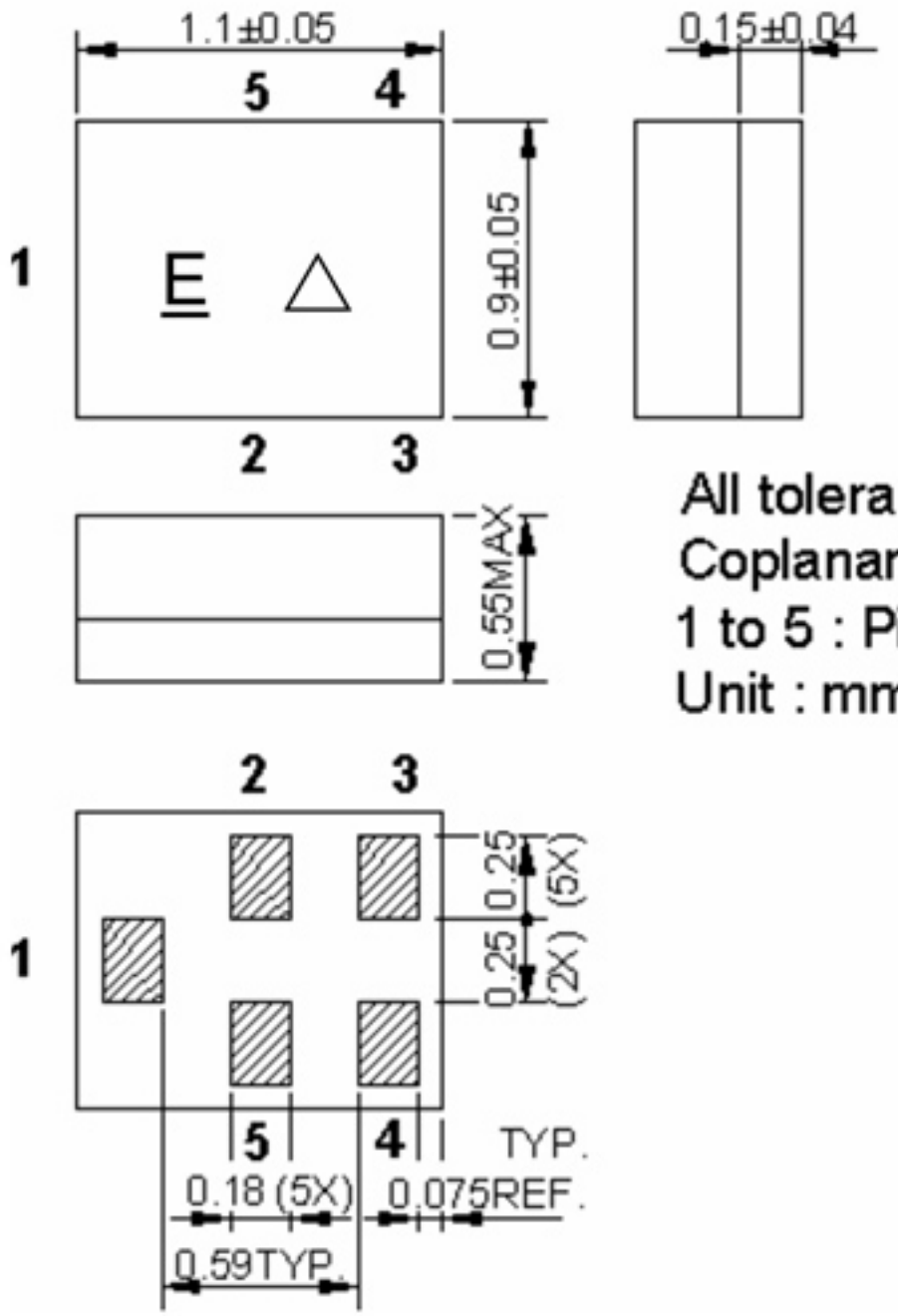


S11/S22：





D.OUTLINE DRAWING:



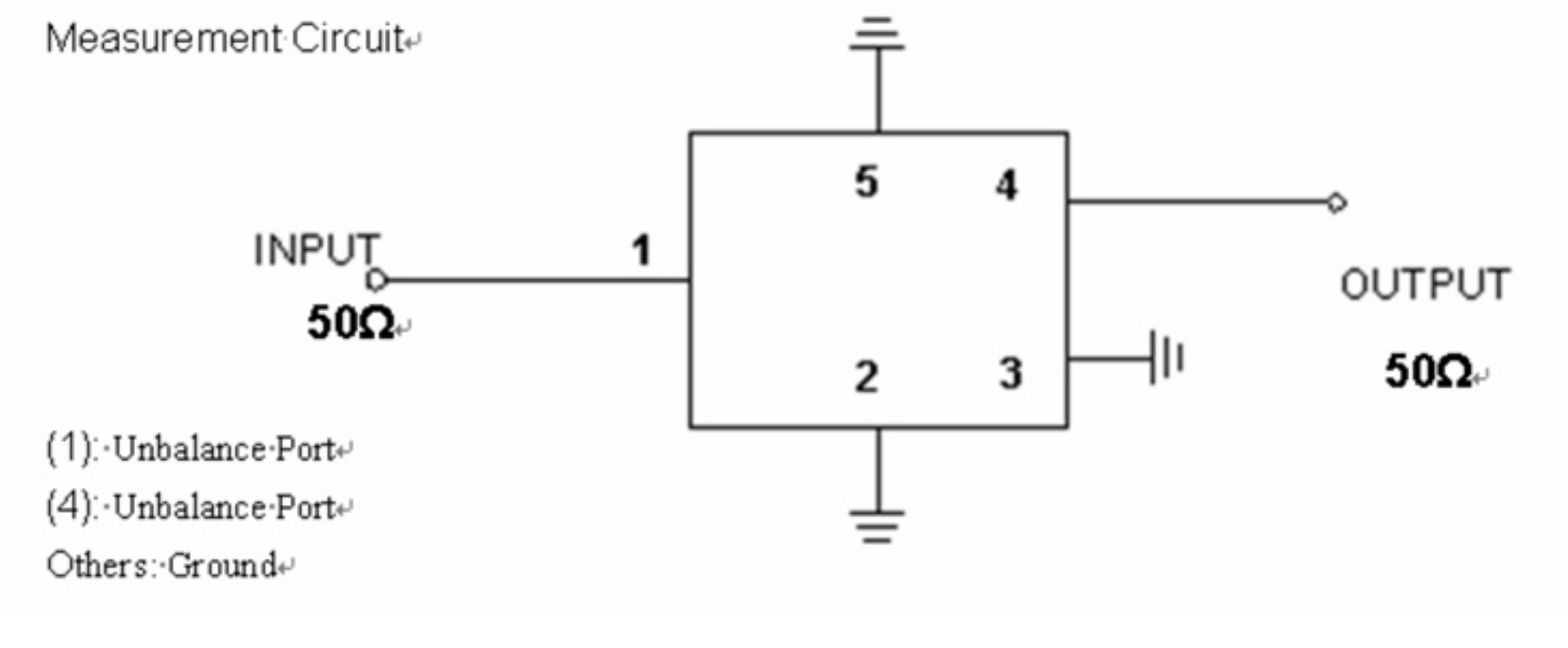
All tolerances are +/-0.05 mm unless otherwise specified
Coplanarity : 0.1 mm max.
1 to 5 : Pin No.
Unit : mm

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

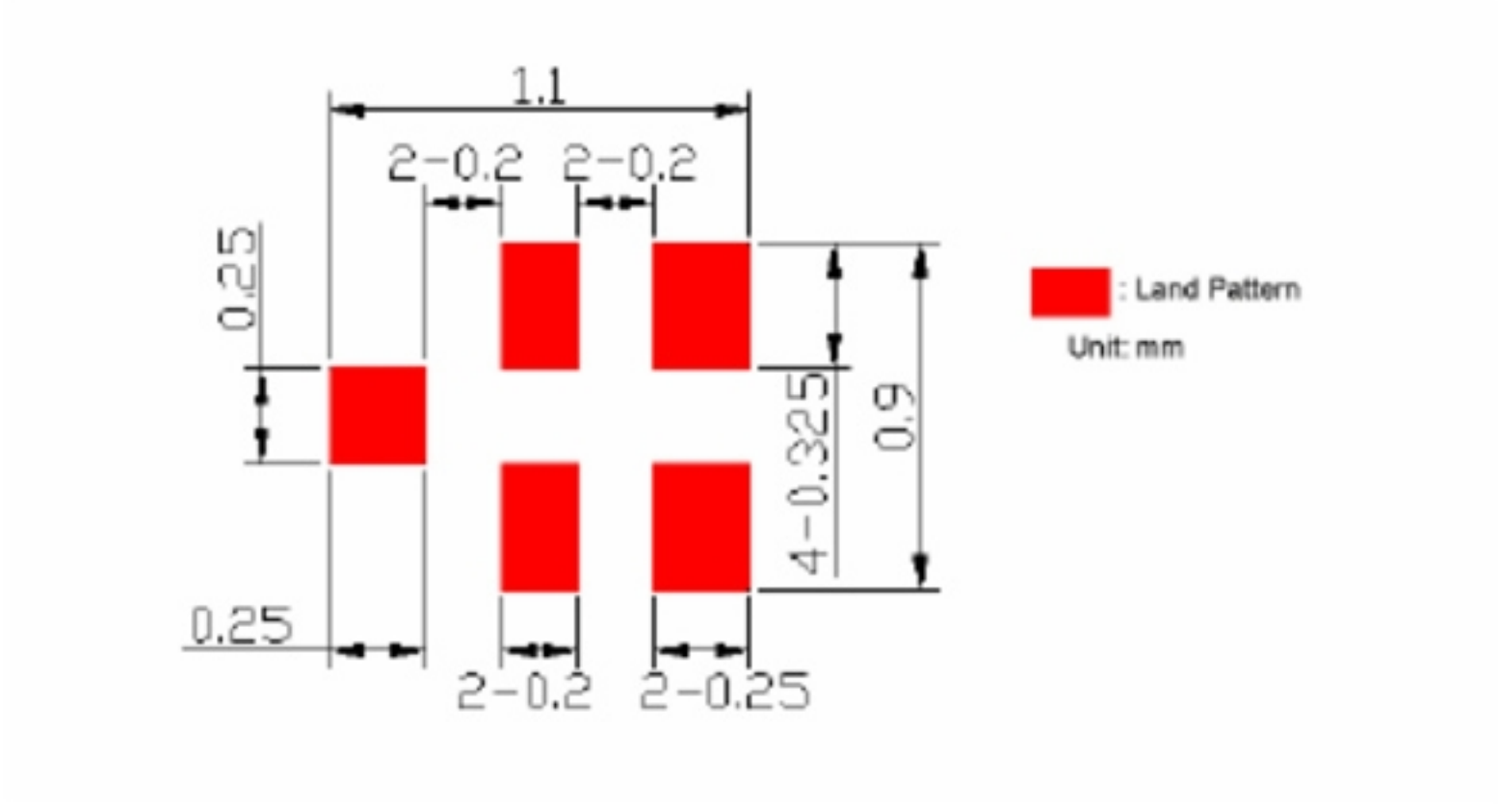
Δ : Year/Month Code (Follow the table)

YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013/2021	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**J**	**K**	**L**	**M**
2014/2022	**N**	**P**	**Q**	**R**	**S**	**T**	**U**	**V**	**W**	**X**	**Y**	**Z**
2015/2023	**a**	**b**	**c**	**d**	**e**	**f**	**g**	**h**	**j**	**k**	**l**	**m**
2016/2024	**n**	**p**	**q**	**r**	**s**	**t**	**u**	**v**	**w**	**x**	**y**	**z**
2017/2025	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**J**	**K**	**L**	**M**
2018/2026	**N**	**P**	**Q**	**R**	**S**	**T**	**U**	**V**	**W**	**X**	**Y**	**Z**
2019/2027	**a**	**b**	**c**	**d**	**e**	**f**	**g**	**h**	**j**	**k**	**l**	**m**
2020/2028	**n**	**p**	**q**	**r**	**s**	**t**	**u**	**v**	**w**	**x**	**y**	**z**

E. MEASUREMENT CIRCUIT:



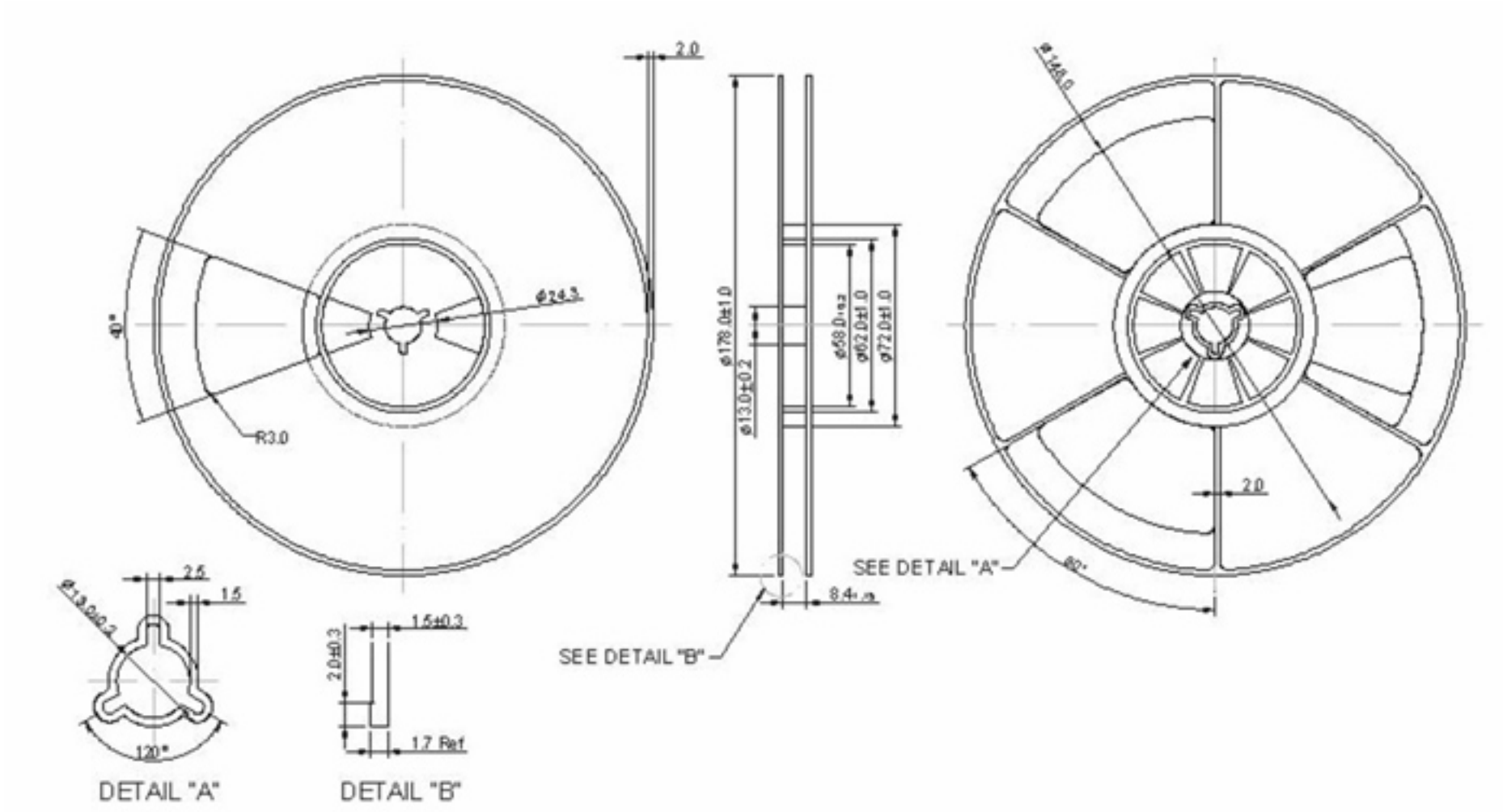
F. FOOT PRINT :



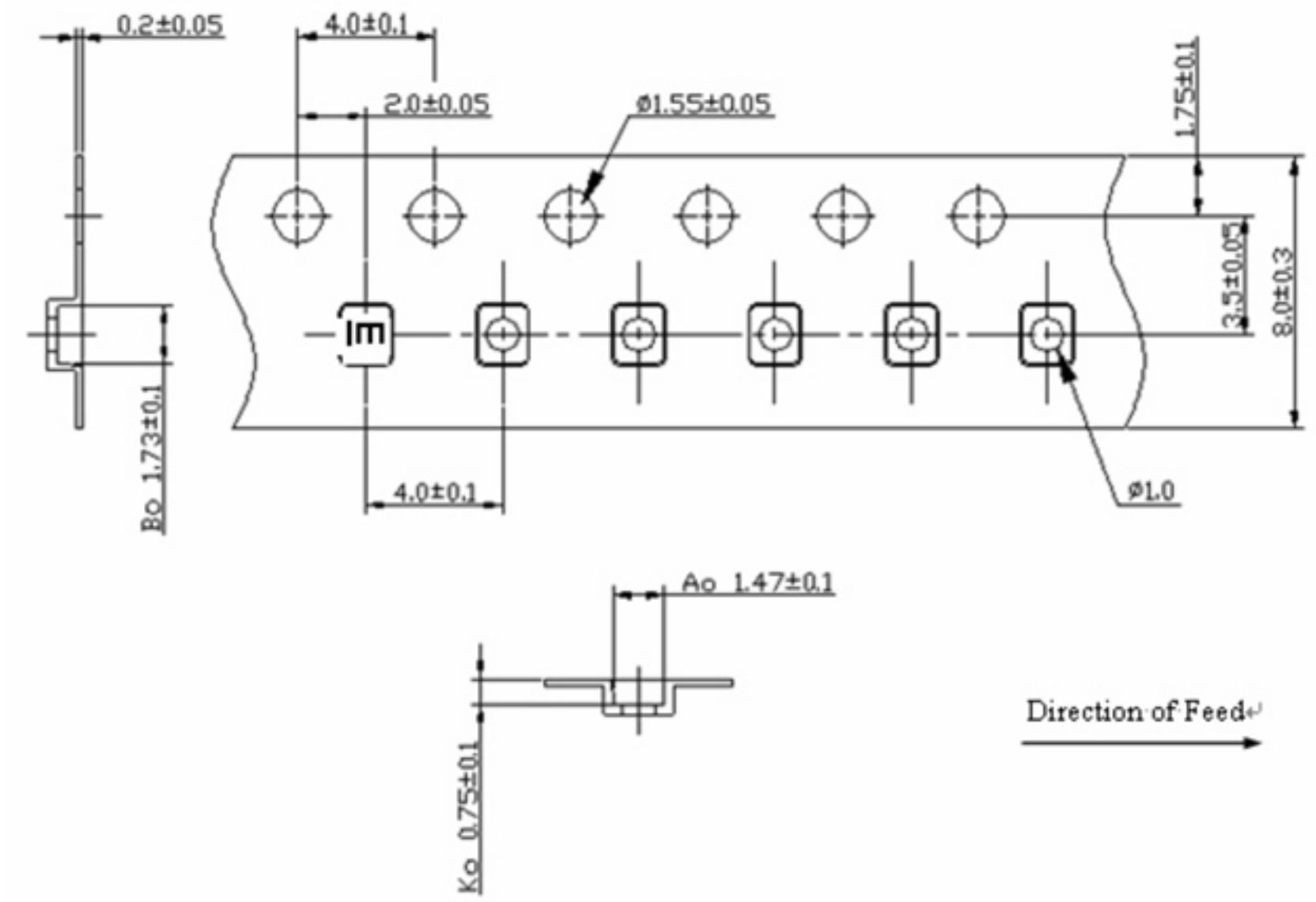
G. PACKING:

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℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 260℃+0/-5℃ peak (20~40sec).
4. Time: 2 times.