

SAW Filter 1600MHz

MODEL NO.:TA2268A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. DC Voltage : 0V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +105°C
5. Moisture Sensitive Level (MSL): Level 1

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

Moisture Sensitivity Level: 1

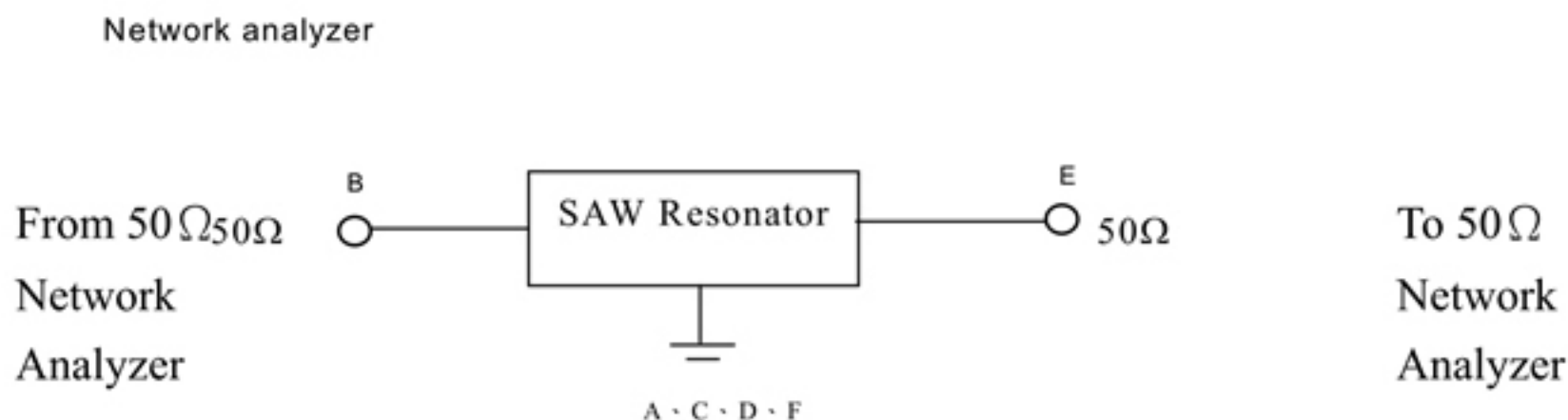
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single) : $Z_s = 50 \Omega$

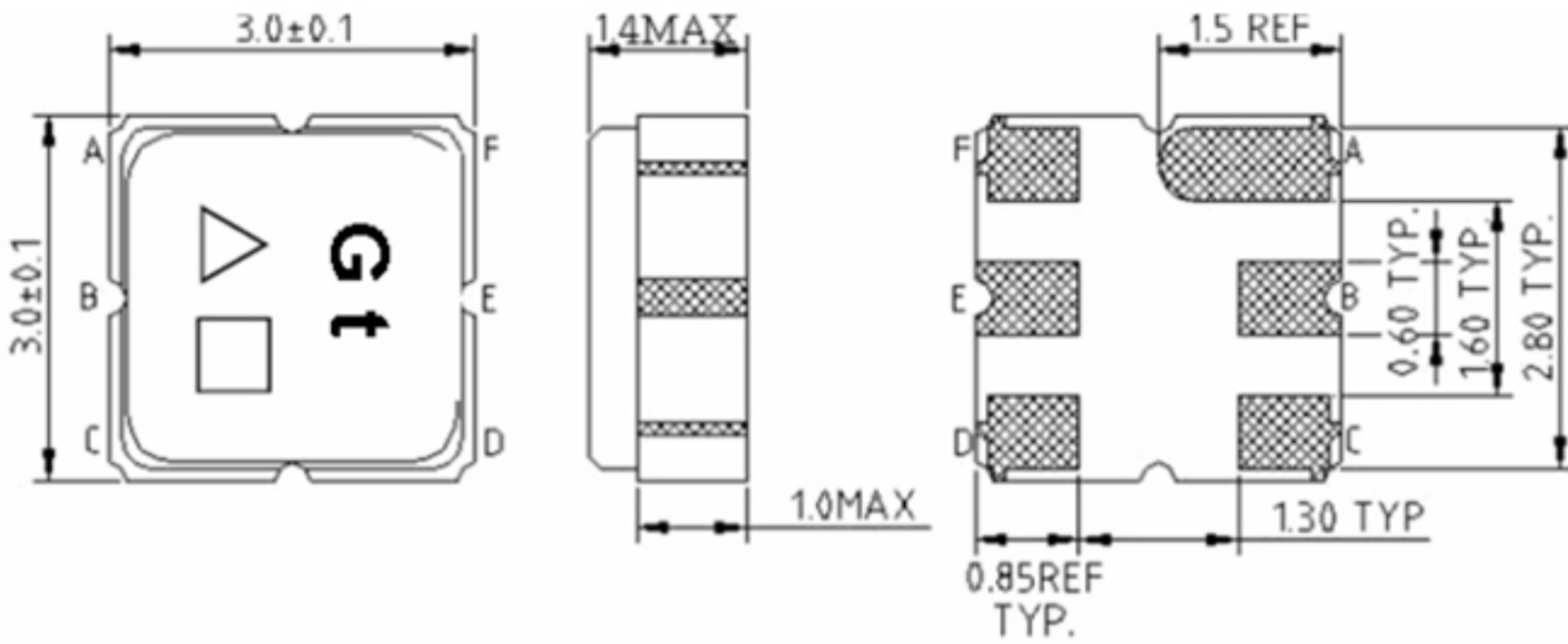
Terminating load impedance(single) : $Z_L = 50 \Omega$

Item	Unit	Min	Typ.	Max
Center Frequency Fc	MHz	-	1600	-
Insertion Loss (1590~1610 MHz) IL	dB		2.5	3.5
Amplitude ripple(1590~1610 MHz)	dB		1.0	1.8
Group Delay Ripple(1590~1610 MHz)	nS		7	15
Attenuation				
50 ~ 1545 MHz	dB	40	45	
1645 ~ 2400 MHz	dB	40	45	
Temperature Coefficient	ppm/K	-36		
Package size	mm	SMD 3.0x3.0		

C. TEST CIRCUIT:



D.OUTLINE DRAWING:



- #B: Input
- #E: Output
- # A.C.D.F Ground
- △:Year code (ex 2008→8)
- : Date code
- Unit: mm

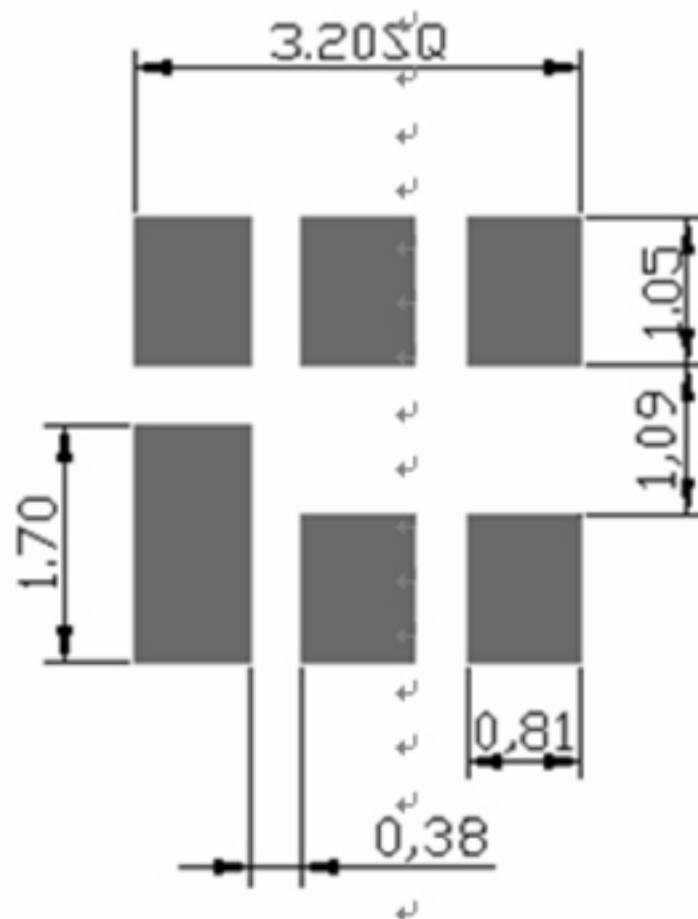
Data code : See the table

WK	01	02	...	26	27	28	...	52
Code	A	B	...	Z	a	b	...	z

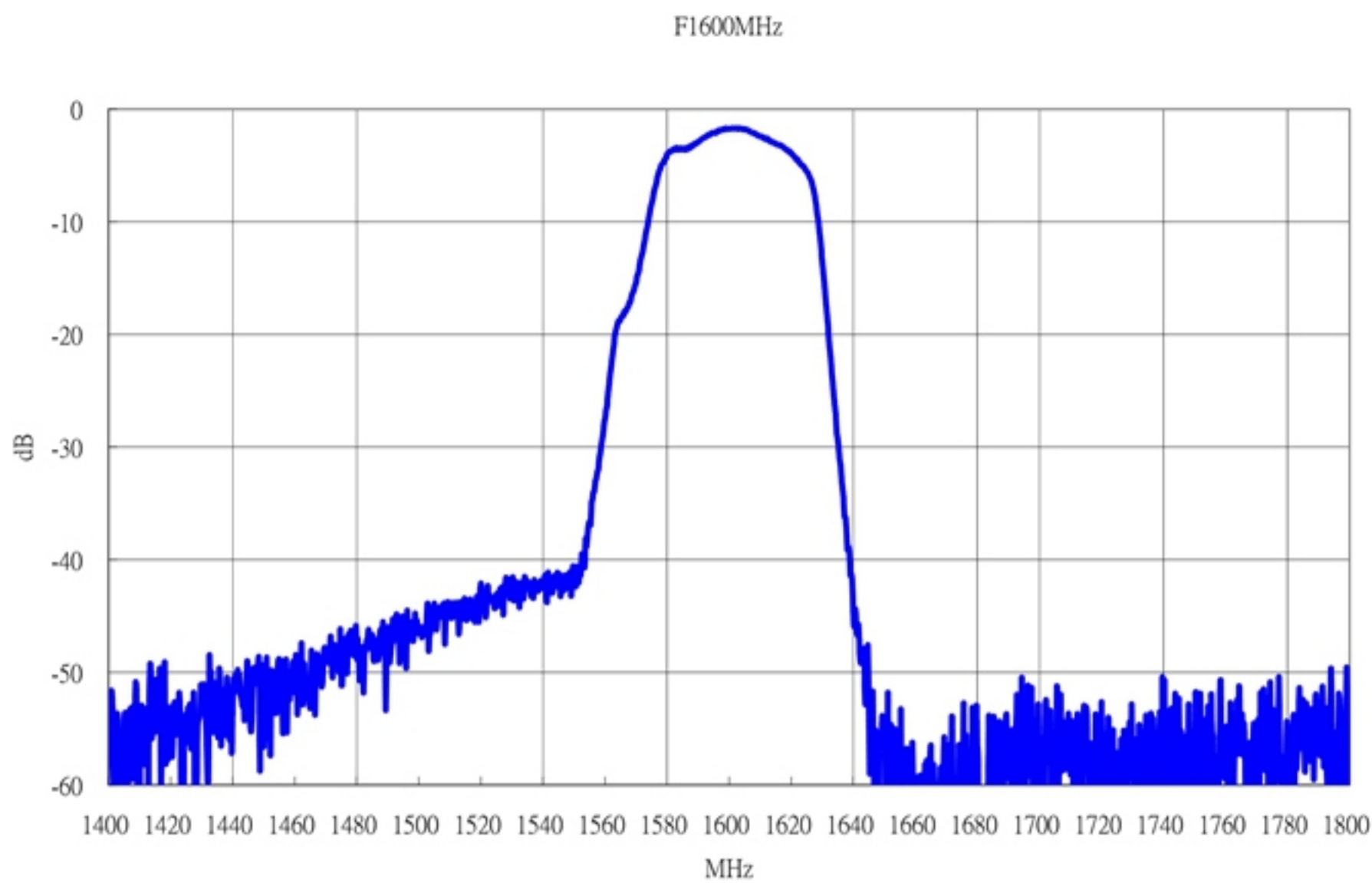
△ Year code : See the table

Year	2008	2009	2010	2011	...	2019	2020
Code	8	9	0	1	...	9	0

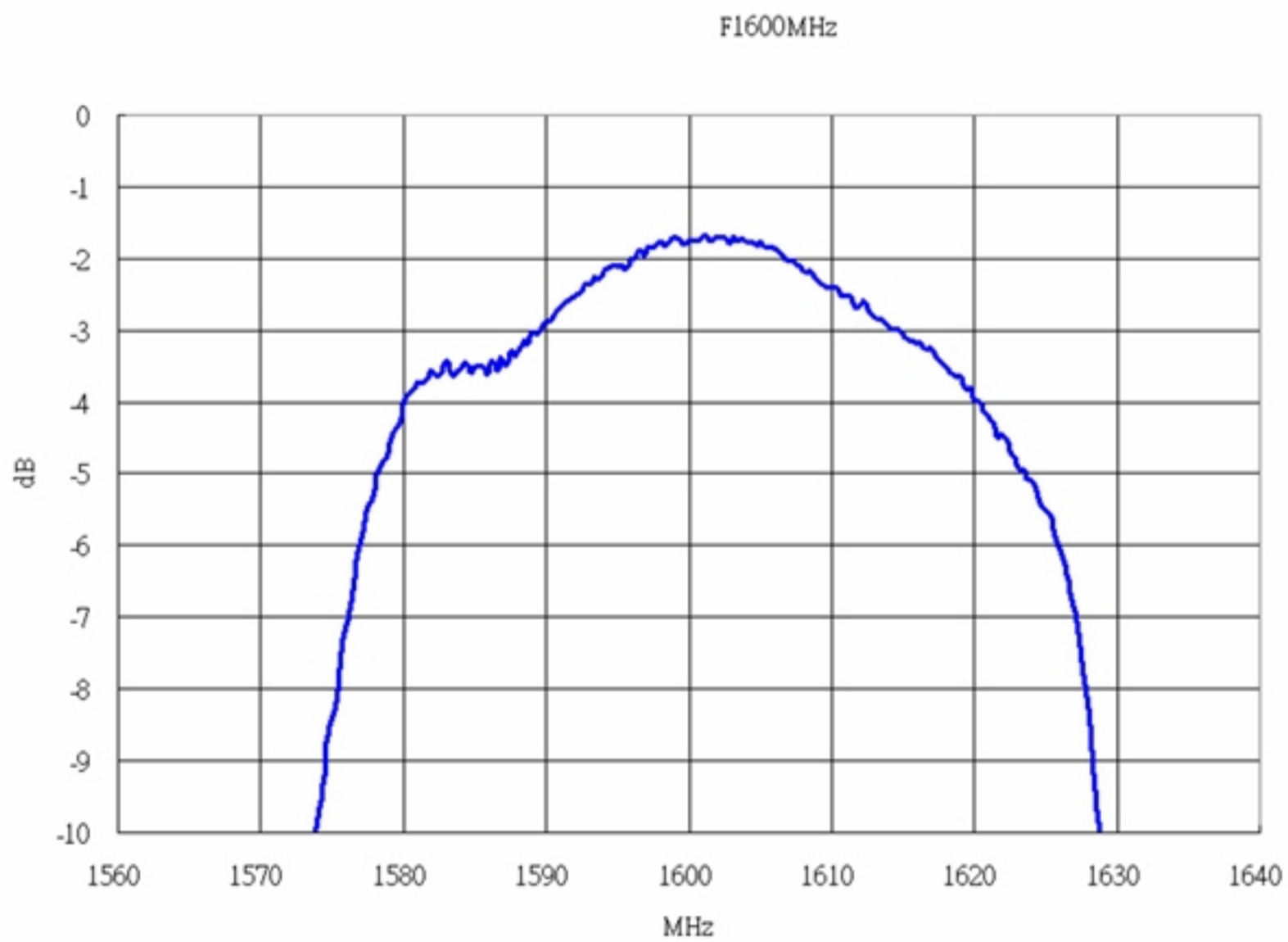
E.FOOT PRINT:



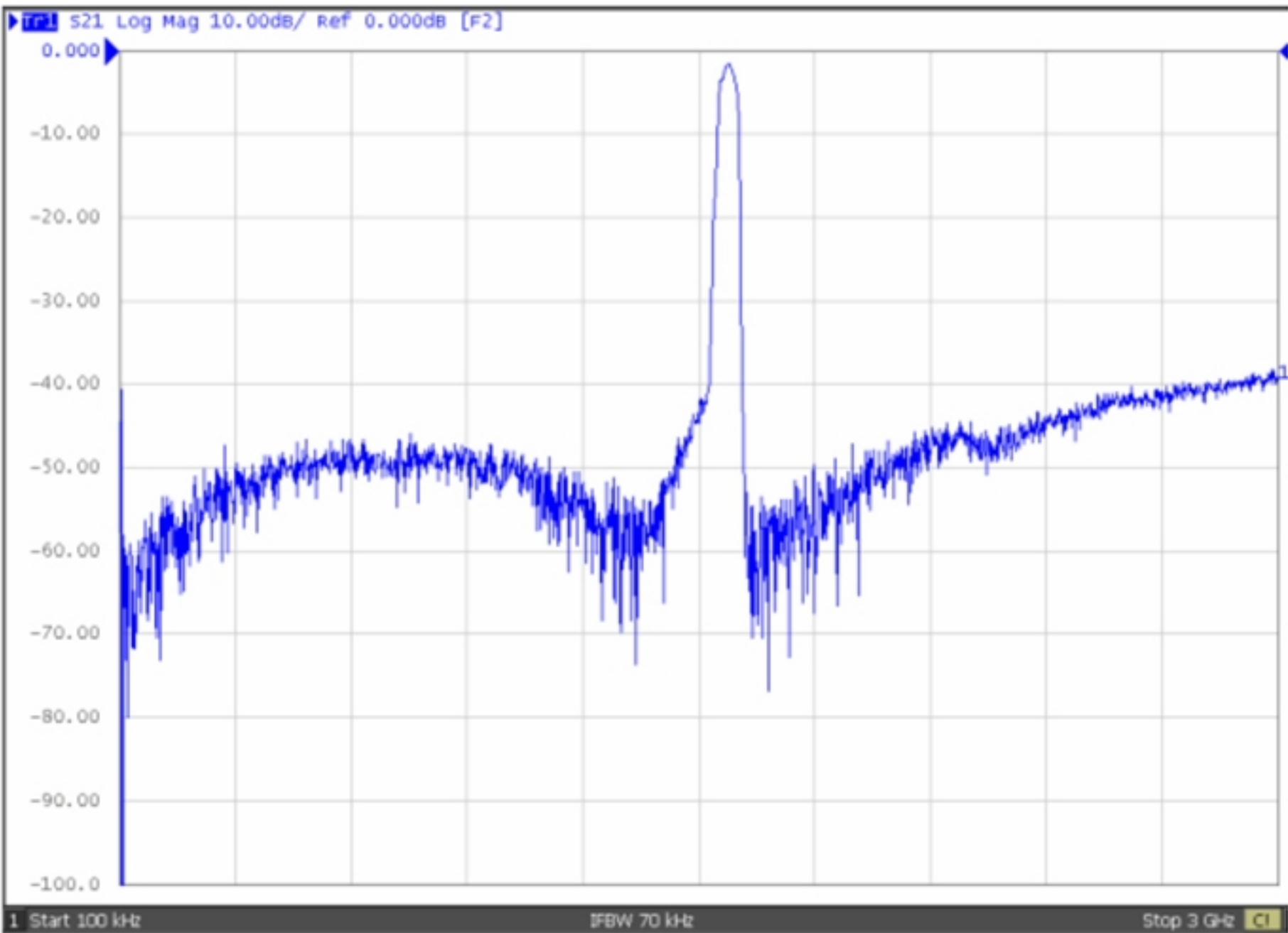
F. Frequency Characteristics:
S21 response: (span 400MHz)



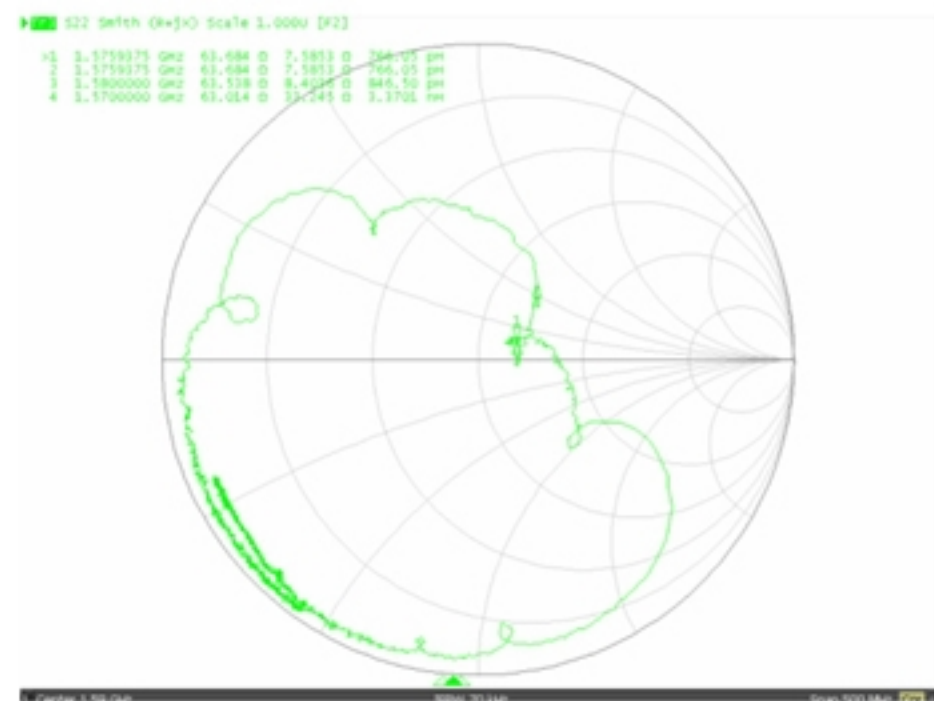
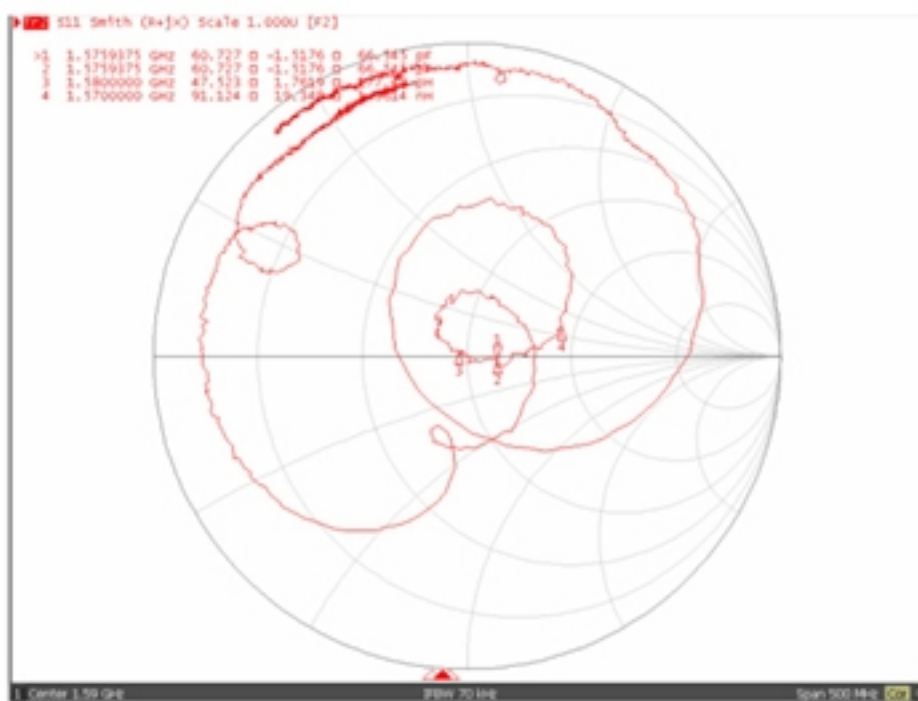
S21 response: (span 80MHz)



S21 response: (span 3GHz)



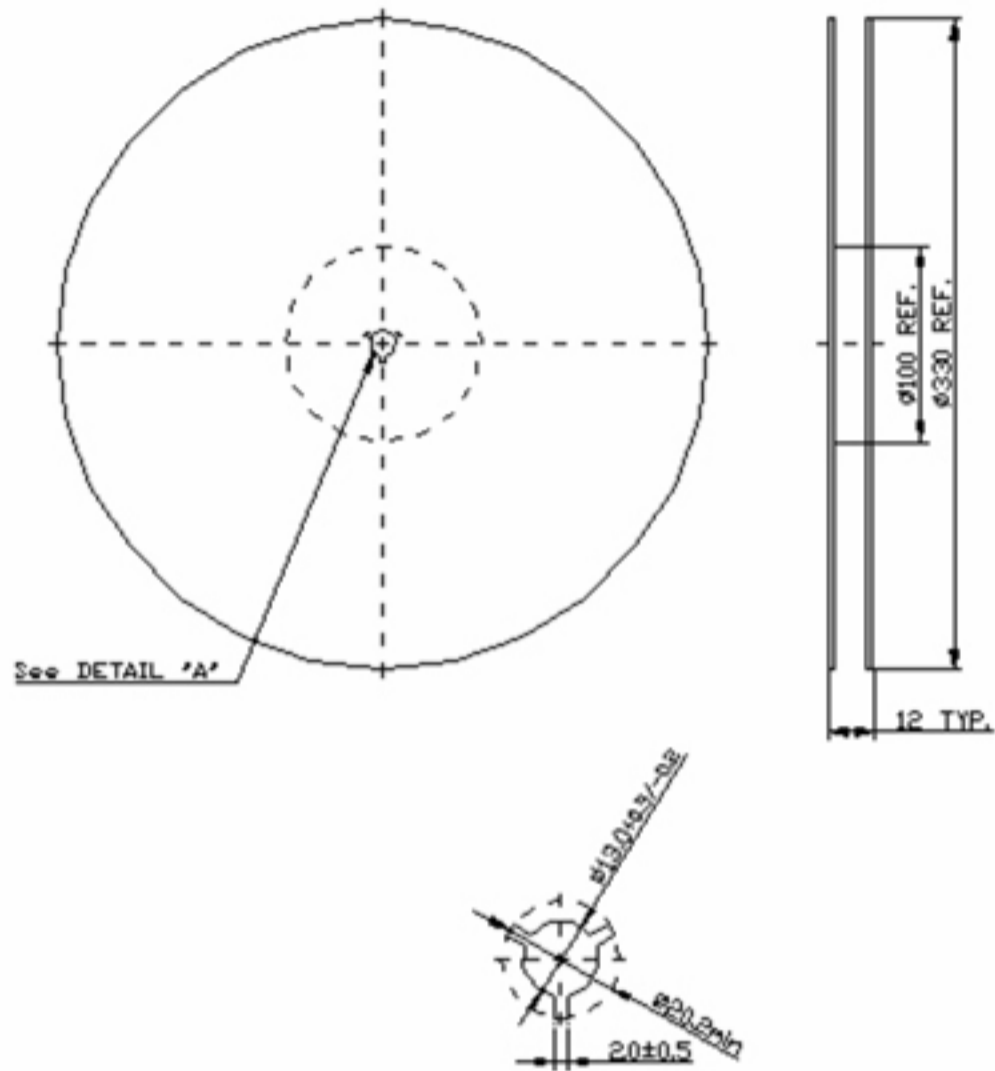
S11/S22 response :



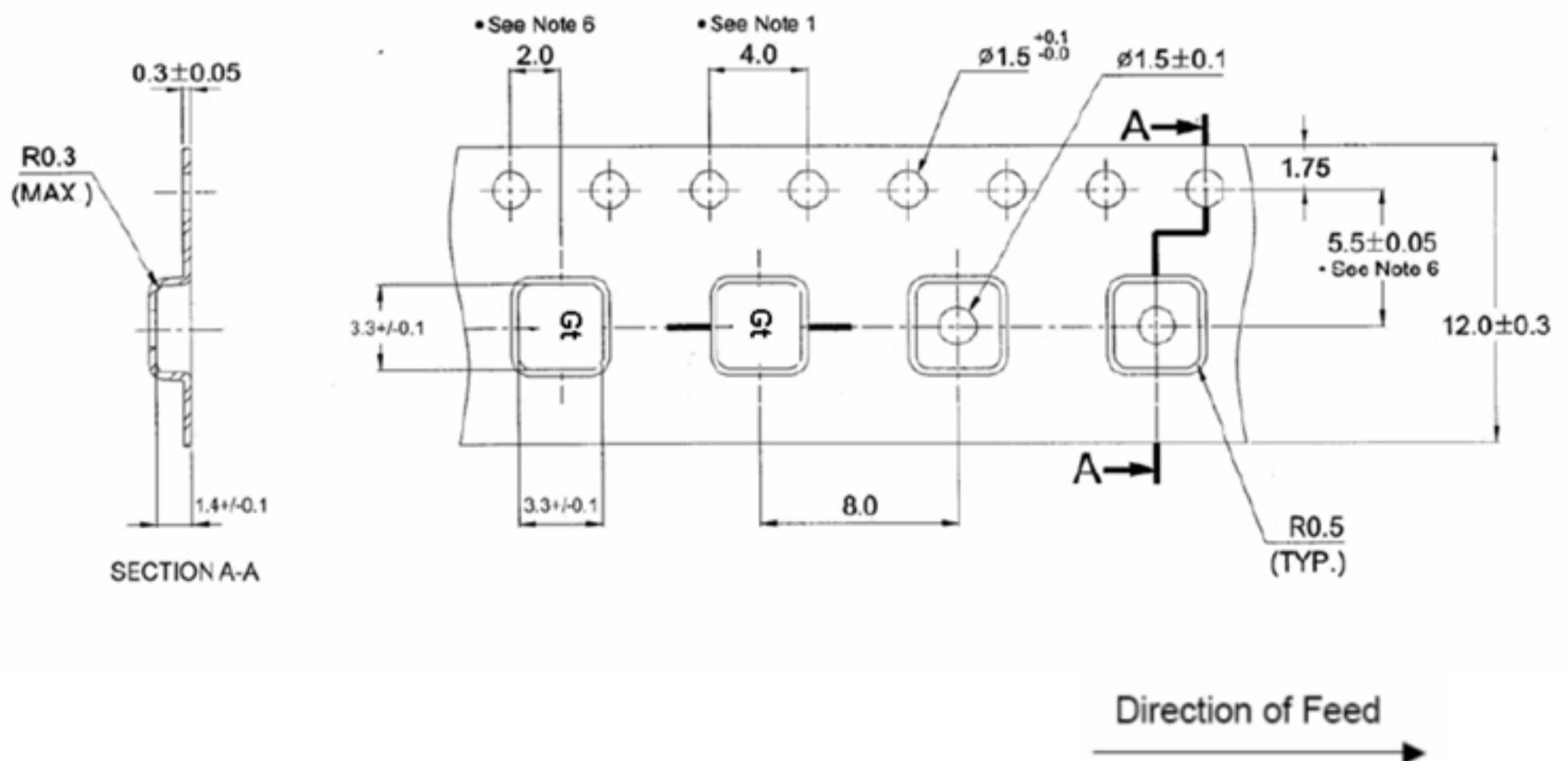
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. Recommended Reflow Profile:

1. Preheating shall be fixed at $150\sim 180^{\circ}\text{C}$ 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 $260^{\circ}\text{C} +0/-5^{\circ}\text{C}$ peak (20~40sec).
4. Time: 2 times.

