

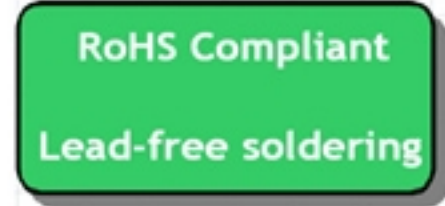
SAW Filter 1438MHz

MODEL NO.:TA2726AA3112

REV. NO.:1.0

A. MAXIMUM RATING:

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



Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

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

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

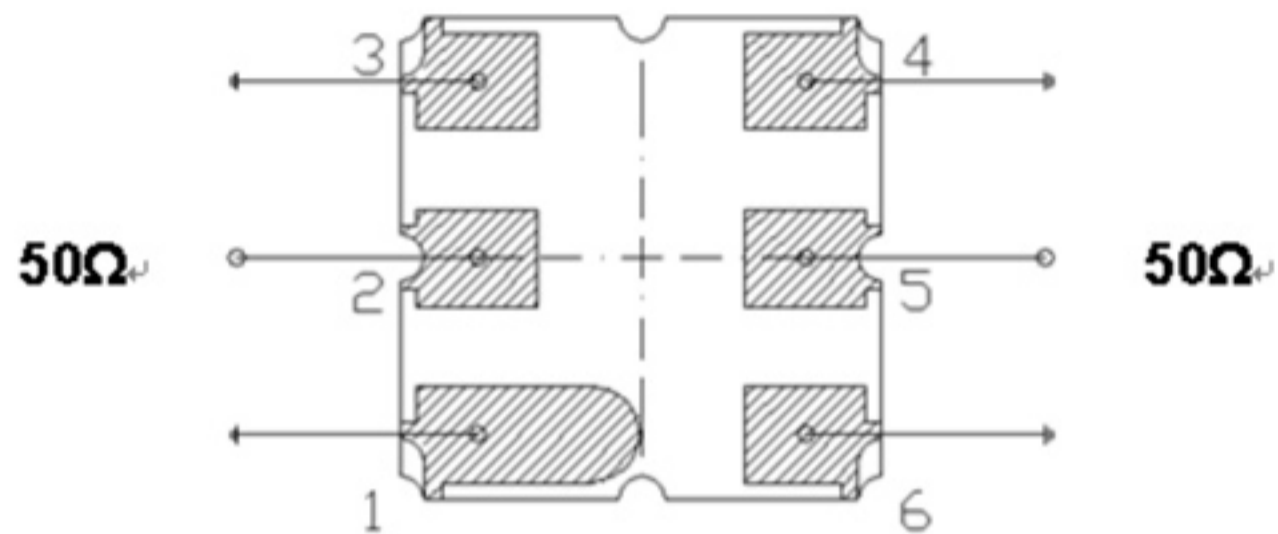
Item	Unit	Min	Type.	Max
Center Frequency F_c	MHz	-	1438.	-
Insertion Loss (1413~1463 MHz) IL	dB		4.2	5.0
VSWR (1413~1463 MHz)			1.6	2.4
G_Delay Ripple	nS		10	15
Amplitude ripple (1413~1463 MHz)	dB		1.7	3.0
Attenuation				
10 ~ 1360 MHz	dB	40	46	
1360 ~ 1385 MHz	dB	20	42	
1490 ~ 1565 MHz	dB	18	26	
1565 ~ 2900 MHz	dB	40	43	
Temperature coefficient	ppm/°C		-36	
Package size	mm		SMD 3x3	

C... TEST CIRCUIT:

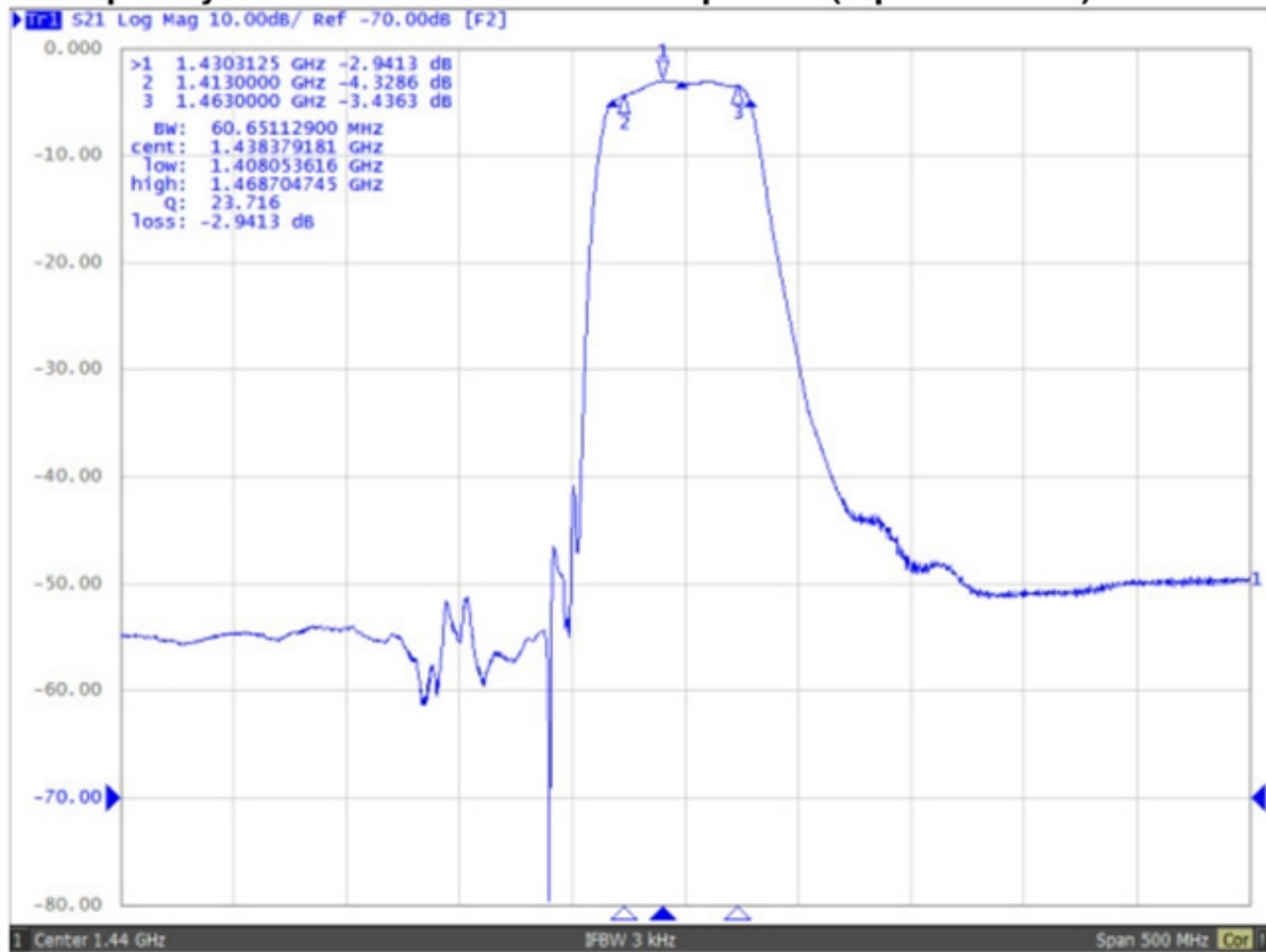
(2): Unbalance Port

(5): Unbalance Port

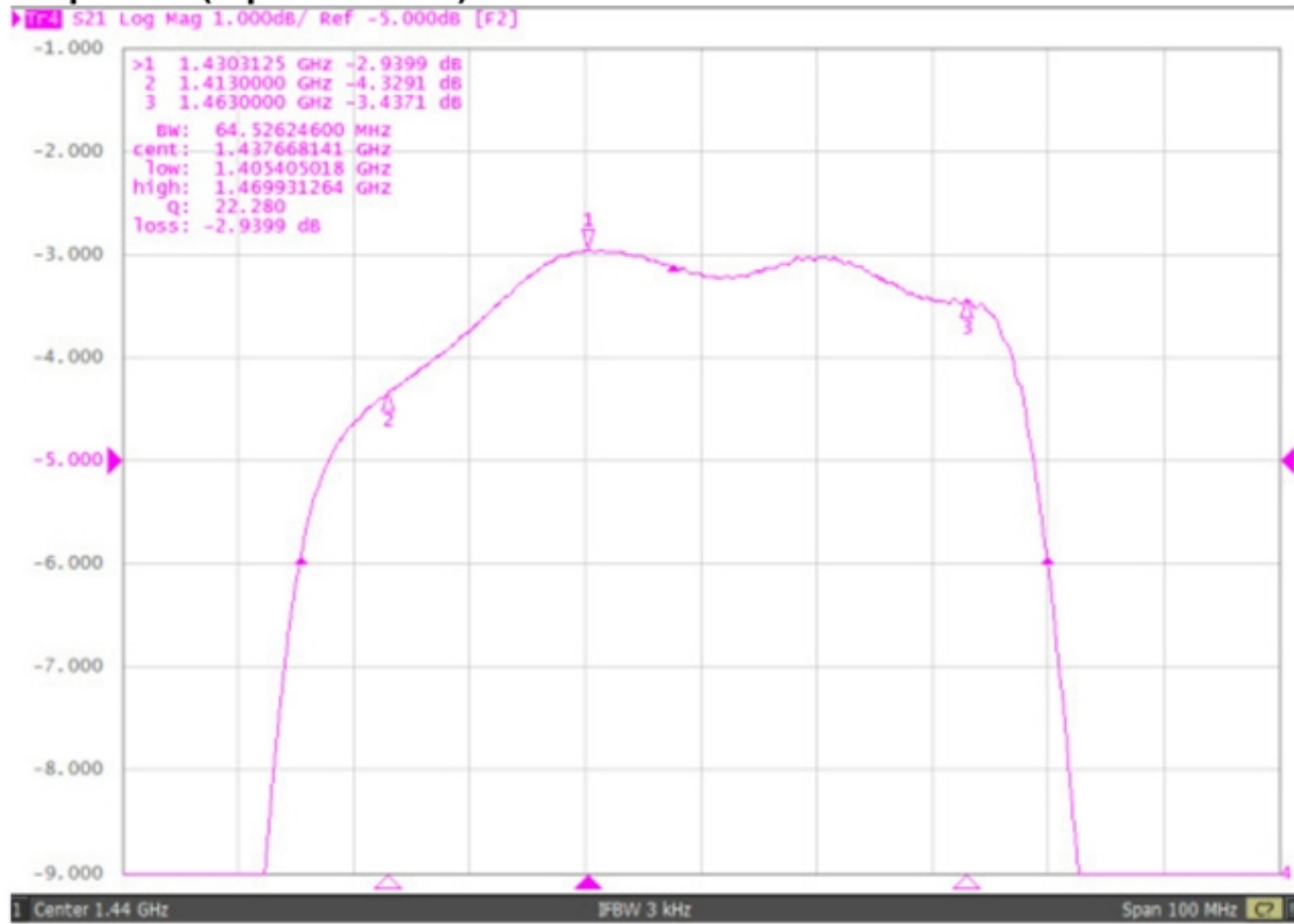
Others: Ground



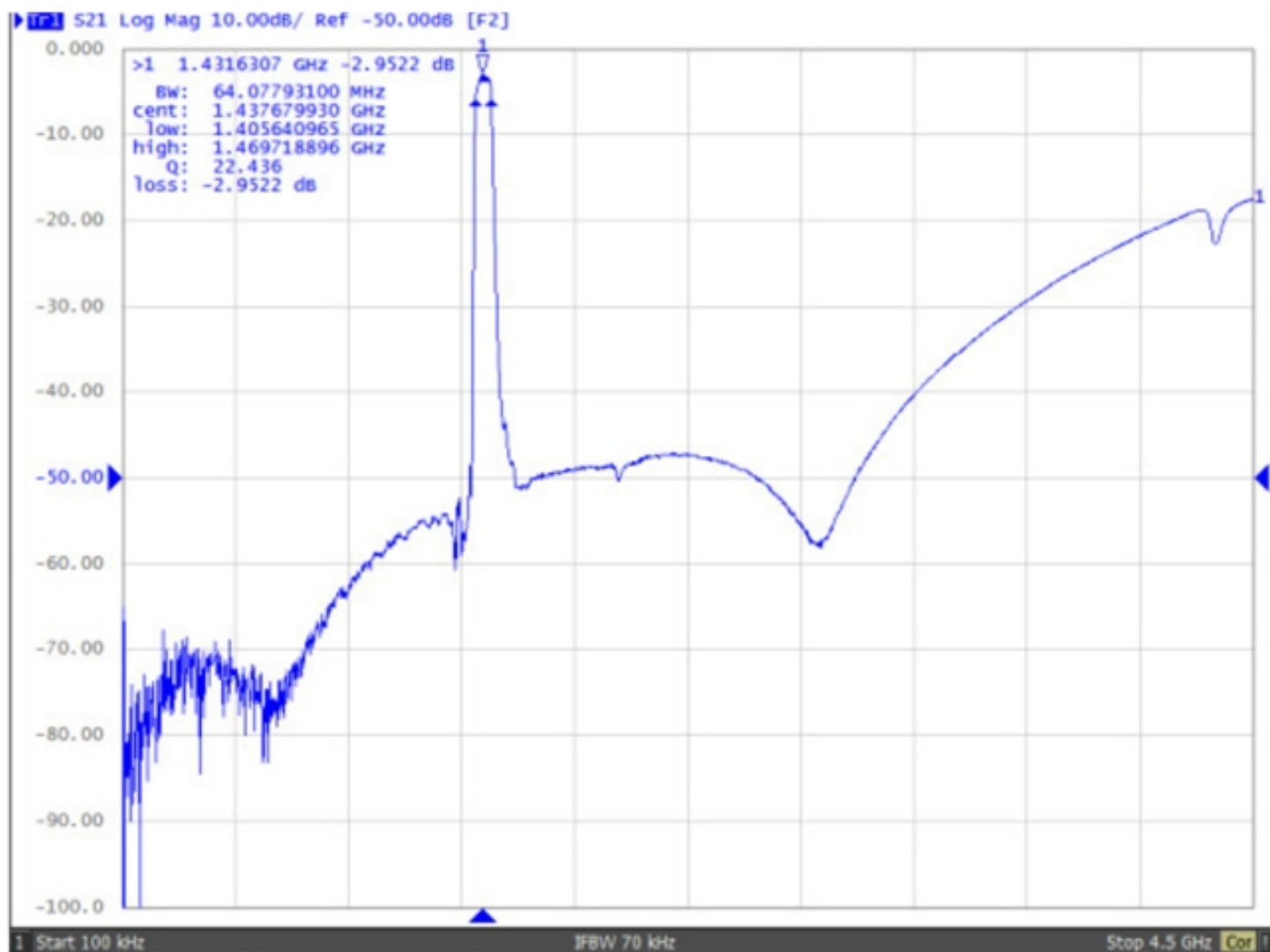
D. Frequency Characteristics: S21 response :(Span 500MHz)



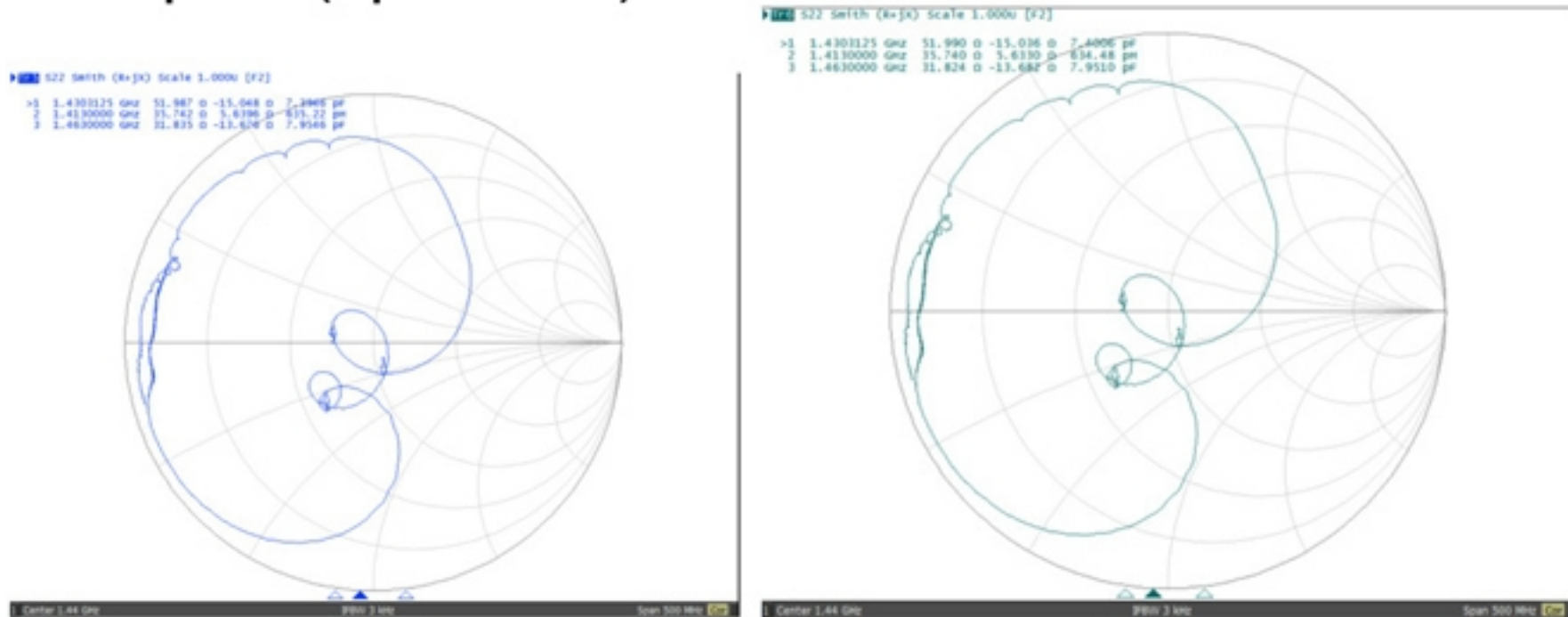
S21 response :(Span 100MHz)



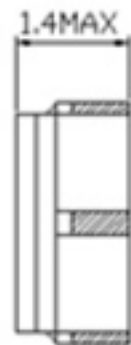
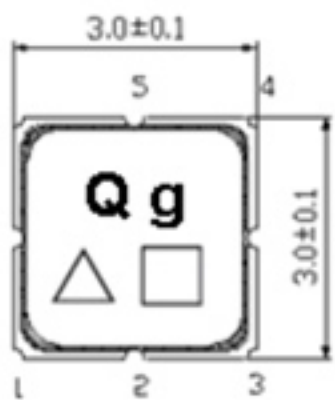
S21 response :(Span 4.5GHz)



S11/S22 response :(Span 500MHz)

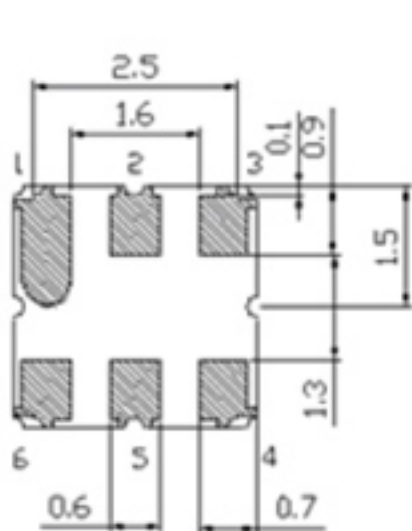


E.OUTLINE DRAWING:



Unit : mm

Not Specified Tolerance : +/-0.15 mm



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

Data code : See the table

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

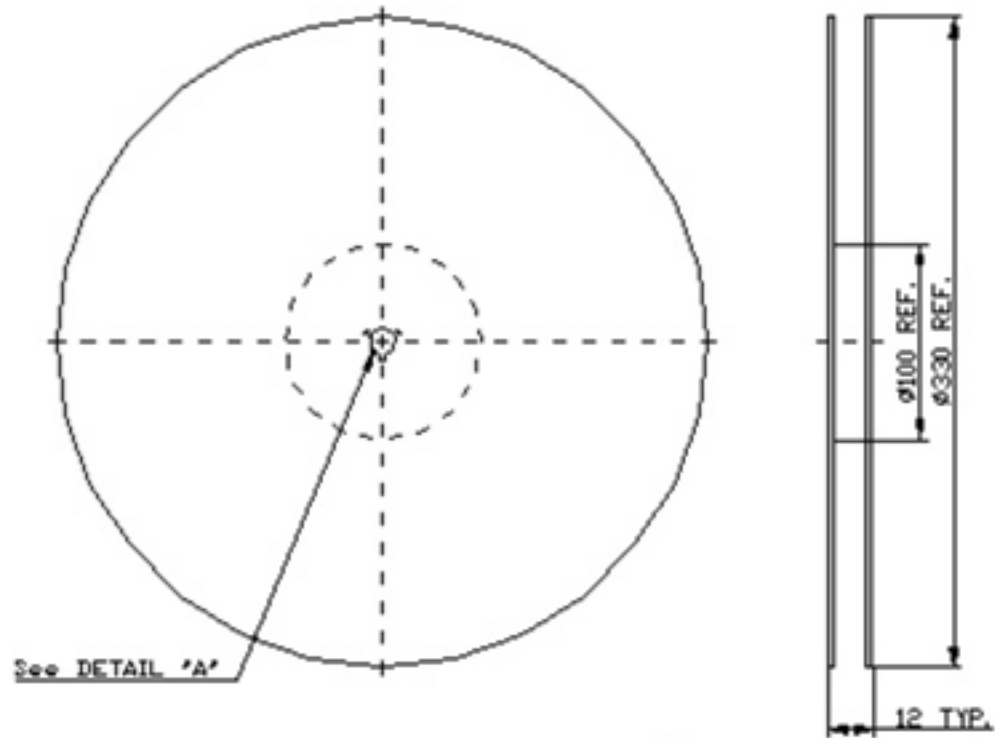
△ Year code : See the table

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

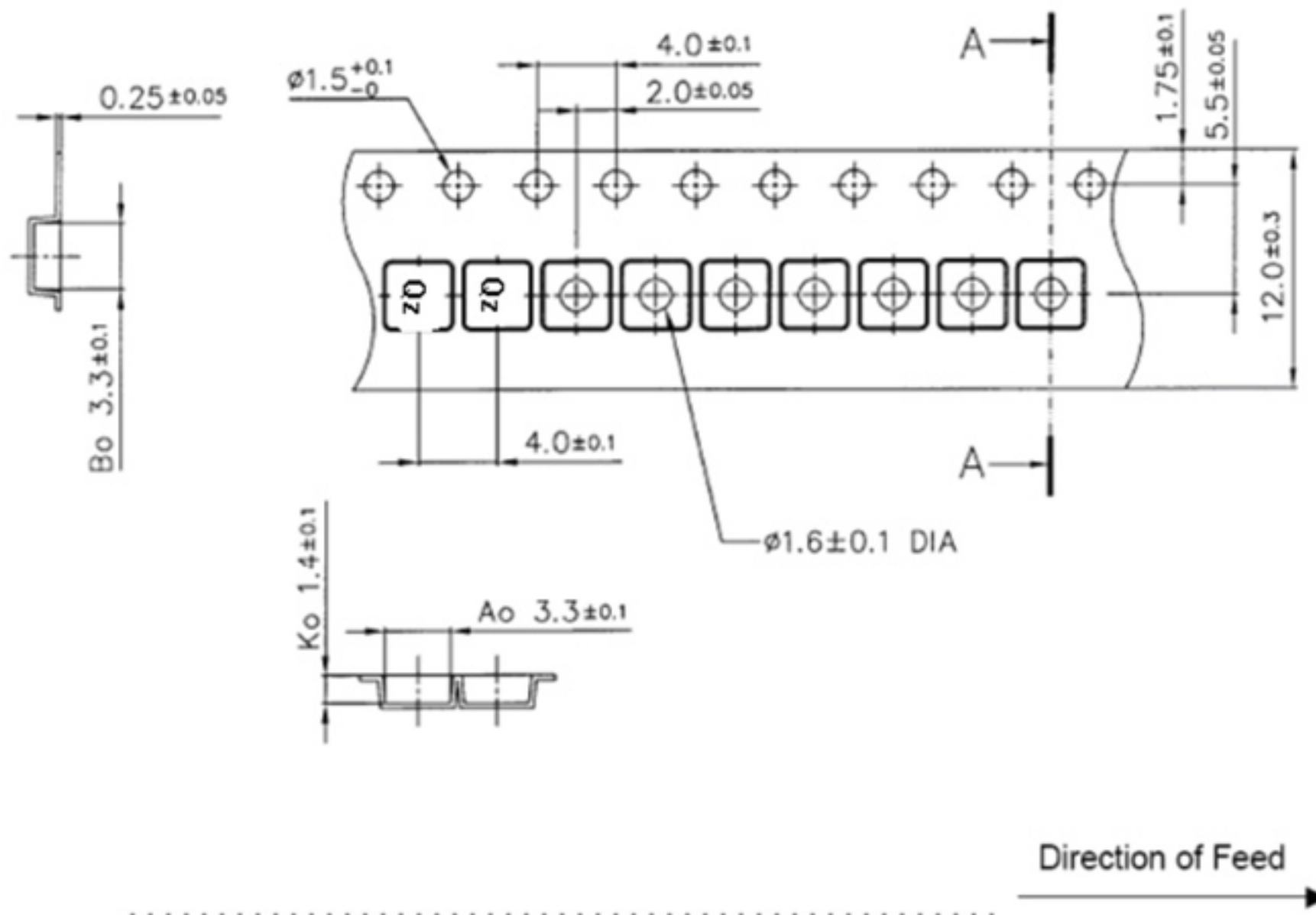
F. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION.



G. 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 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

