

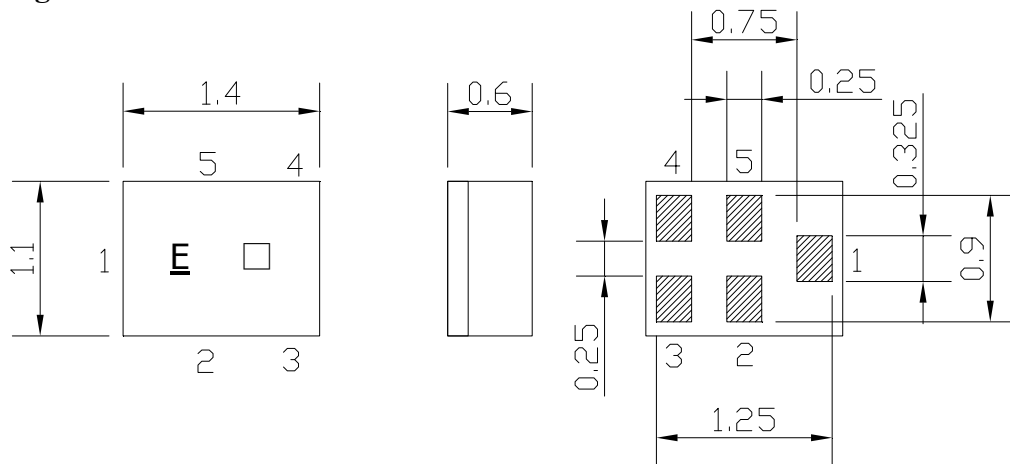
SAW Bandpass Filter F2G3L



Features

- RF bandpass filter
- Usable bandwidth 25.0 MHz
- Chip Scale Package (CSP) (1.4mm × 1.1mm)
- RoHS/RoHS2 (2015/863/EU) Compliant
- This part is compliant with AEC-Q200

Package Dimensions




Pin Configuration	
1	Input
4	Output
2, 3, 5	Ground

Maximum Ratings

Parameter	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	25	105
Storage Temperature Range	°C	-45	-	125
DC Voltage	V	-	-	3
Power Handling Capability	dBm	-	-	10

Electrostatics Sensitive Device (ESD)

	ITF Co., Ltd. 102-901, 22, Samjak-ro, Ojeong-gu, Bucheon-si, Gyeonggi-do, Korea, 14501	Part No.	F2G3L	
		Rev. Date	2019-08-12	
		Rev.	NCUF01-AS02	1/6

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Specifications

$F_c = 2332.5 \text{ MHz}$

		Minimum	Typical	Maximum
Center Frequency (F_c)	MHz	-	2332.5	-
Insertion Loss ($F_c \pm 12.5 \text{ MHz}$)	dB	-	2.0	3.5
Amplitude Ripple ($F_c \pm 12.5 \text{ MHz}$)	dB	-	0.7	2.0
Group Delay Variation ($F_c \pm 12.5 \text{ MHz}$)	nsec	-	7	50
VSWR ($F_c \pm 12.5 \text{ MHz}$)		-	1.5	2.5
Absolute attenuation				
D.C. ~ 2175 MHz	dB	40	42	-
2227 MHz		27	47	-
2400 MHz		12	58	-
2426 MHz		17	60	-
2500 MHz		27	51	-
2526 MHz		32	50	-
2700 ~ 3500 MHz		30	48	-
Input/Output impedance	Ohm	-	50	-

Notes :

- 1) All specifications are based on the matching schematic shown below, measured by Agilent Network analyzer and full 2 port calibration.
- 2) Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances

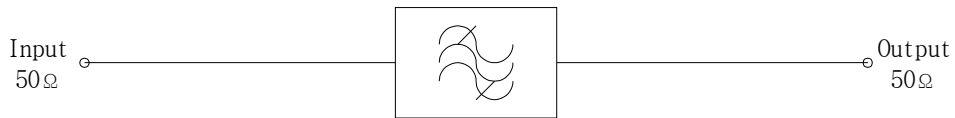
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Matching Schematic

(Actual matching values may vary due to PCB layout and parasitics)



Marking Configuration

E¹⁾ □²⁾

1) Part Number

2) Year/Month Code (Follow the table)

* Ink or Laser Marking available

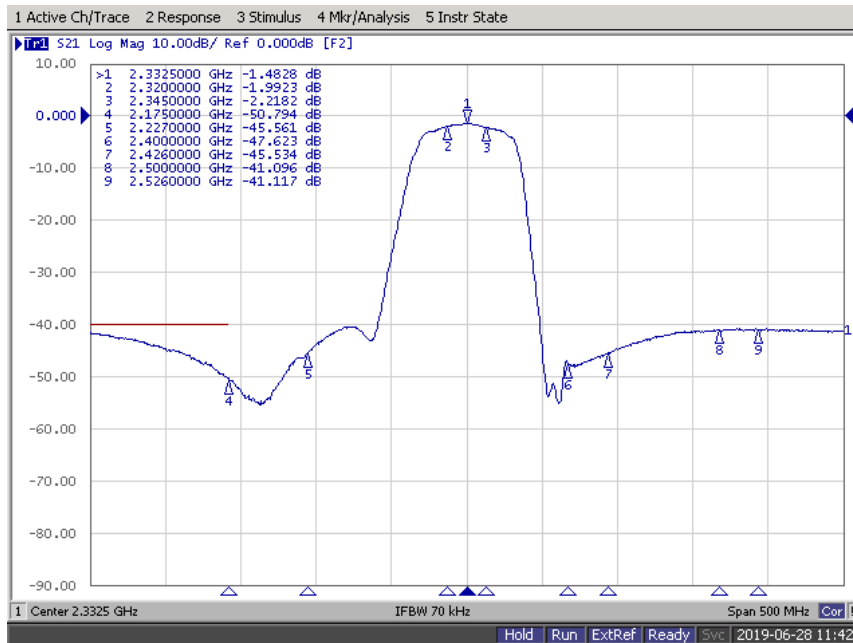
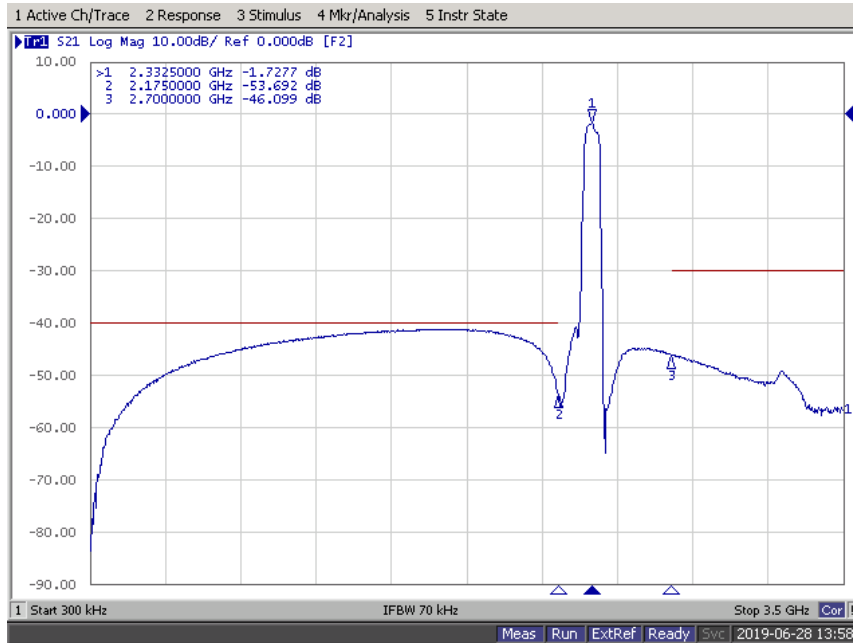
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2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	⓪	ⓑ	ⓒ	ⓓ	ⓔ	ⓕ	ⓖ	ⓗ	ⓙ	ⓚ	ⓛ	ⓜ
2017	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	Ⓙ	Ⓚ	Ⓛ	Ⓜ
2018	Ⓔ	Ⓕ	Ⓖ	Ⓗ	Ⓙ	Ⓚ	Ⓛ	Ⓜ	Ⓝ	Ⓞ	Ⓟ	Ⓠ
2019	ⓐ	ⓑ	ⓒ	ⓓ	ⓔ	ⓕ	ⓖ	ⓗ	ⓙ	ⓚ	ⓛ	ⓜ
2020	⓪	ⓑ	ⓒ	ⓓ	ⓔ	ⓕ	ⓖ	ⓗ	ⓙ	ⓚ	ⓛ	ⓜ

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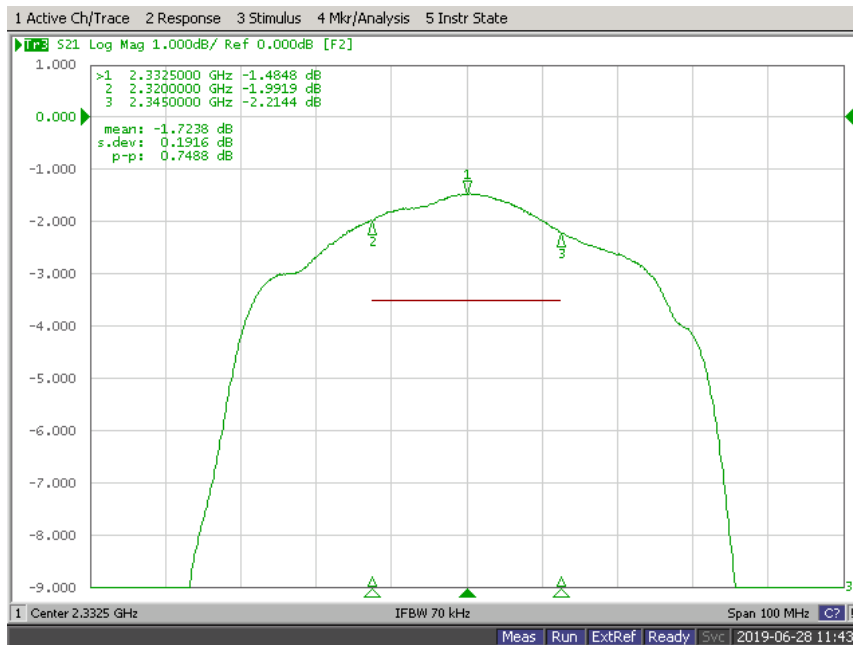
Typical Performance (at 25°C)



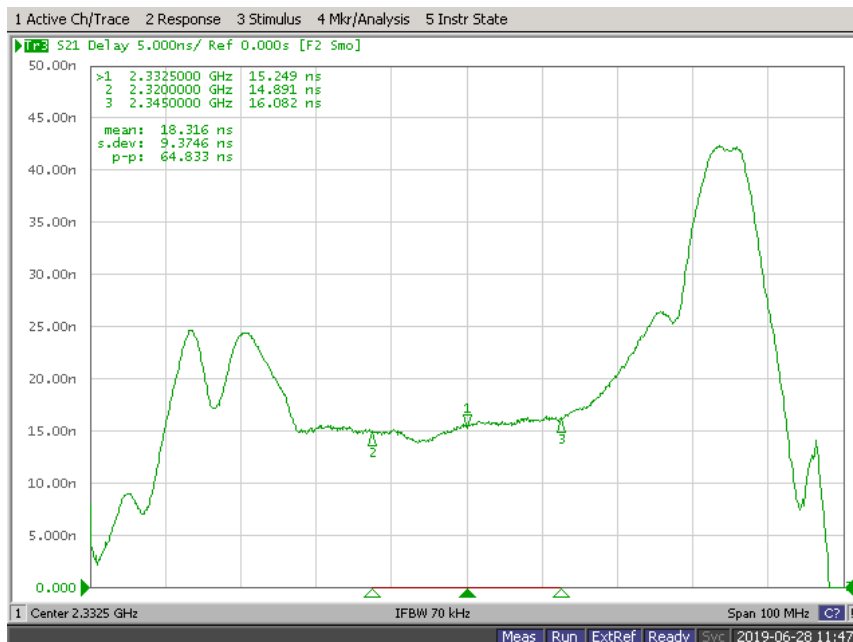
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Group Delay Variation



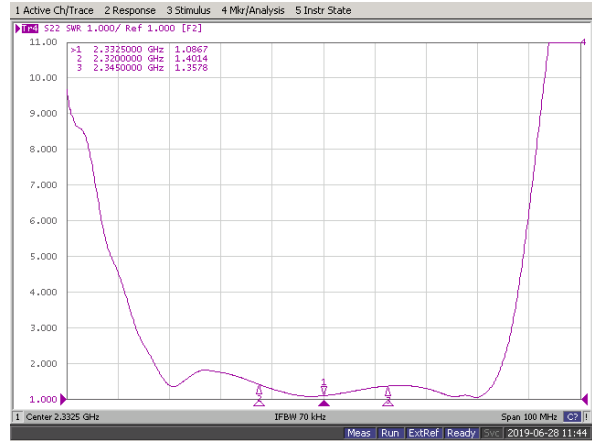
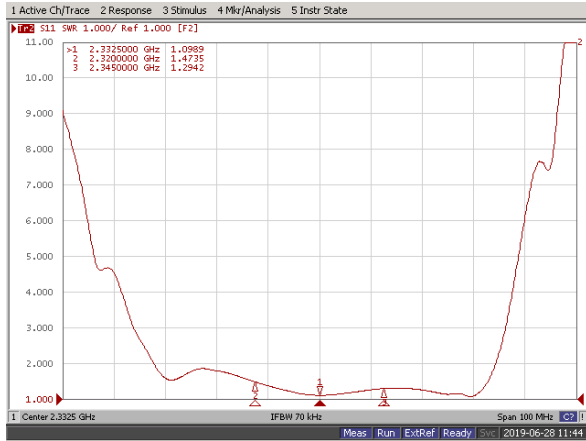
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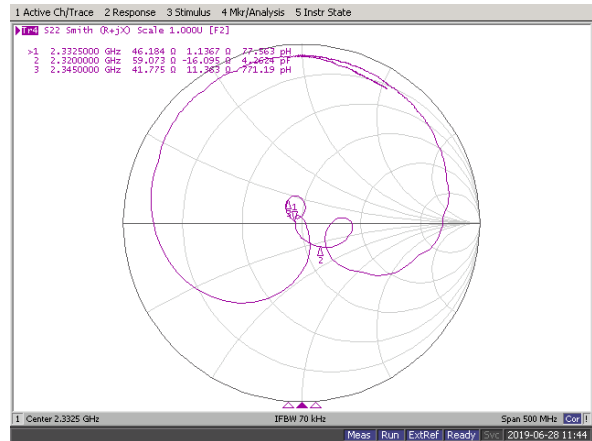
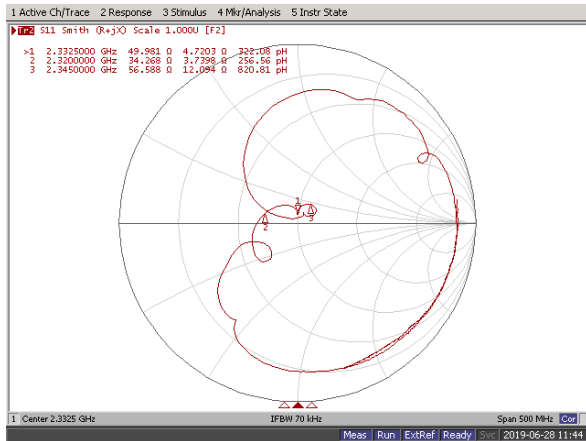
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Input / Output VSWR Charts



Input / Output Smith Charts



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