

**SAW Filter Measurement Report**  
**SF4669**  
**(70.0MHz 18.0MHz BW SAW Filter)**

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# SF4669

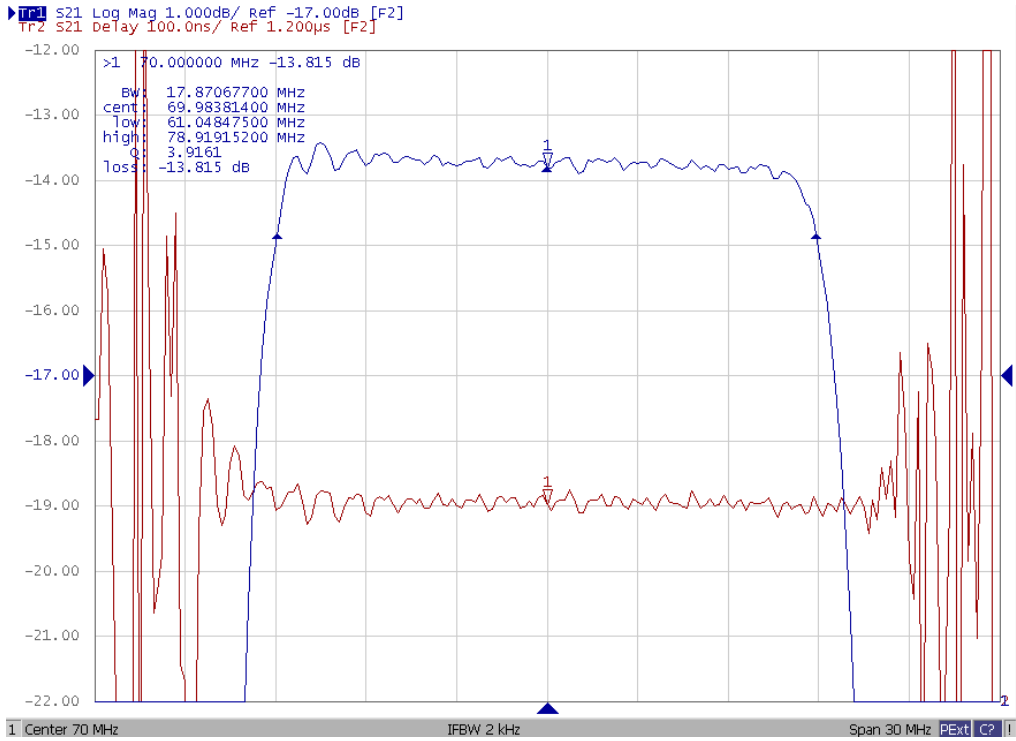
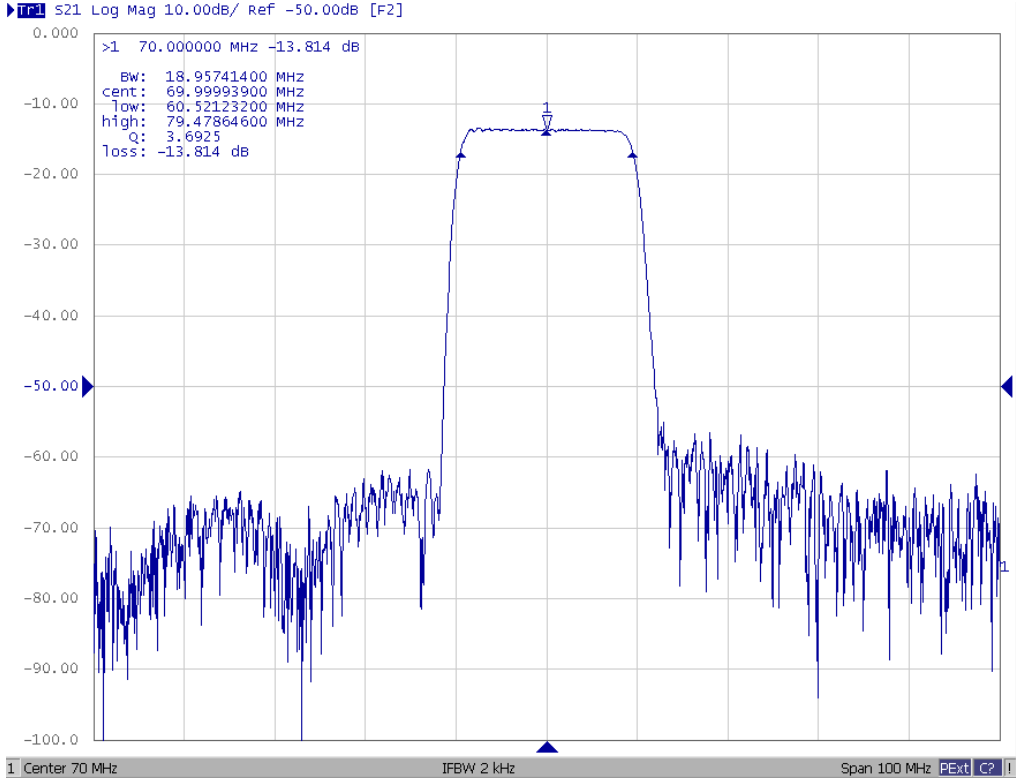
## ♣ Specifications

	Unit	Min	Typical	Max	Comments
Center Frequency, Fc	MHz		70.0		
Insertion Loss (IL) at Fc	dB		13.8	14.5	
1dB Bandwidth	MHz	17.25	17.86		
3dB Bandwidth	MHz	18.0	18.96		
40dB Bandwidth	MHz		23.69	<b>24.1</b>	
Amplitude Ripple	P-P dB		0.56	1.00	at Fc ± 8.1MHz
Group delay Variation	P-P nsec		60	100	at Fc ± 8.1MHz
Phase Linearity	P-P deg		8	12	at Fc ± 8.1MHz
Absolute Group Delay	us		1.0		
Temp Coefficient	PPM/°C		-94		
In/Out Return Impedance	Ohm	50ohm-50ohm Unbalance			
Package	mm <sup>3</sup>	13.3x6.5x2.0			

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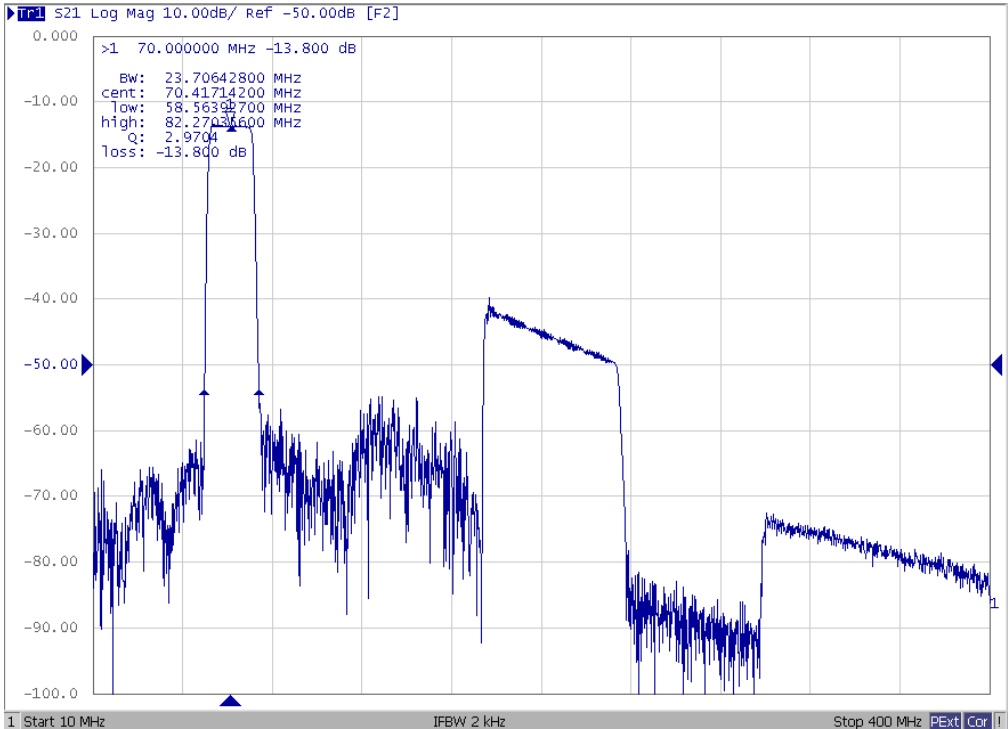
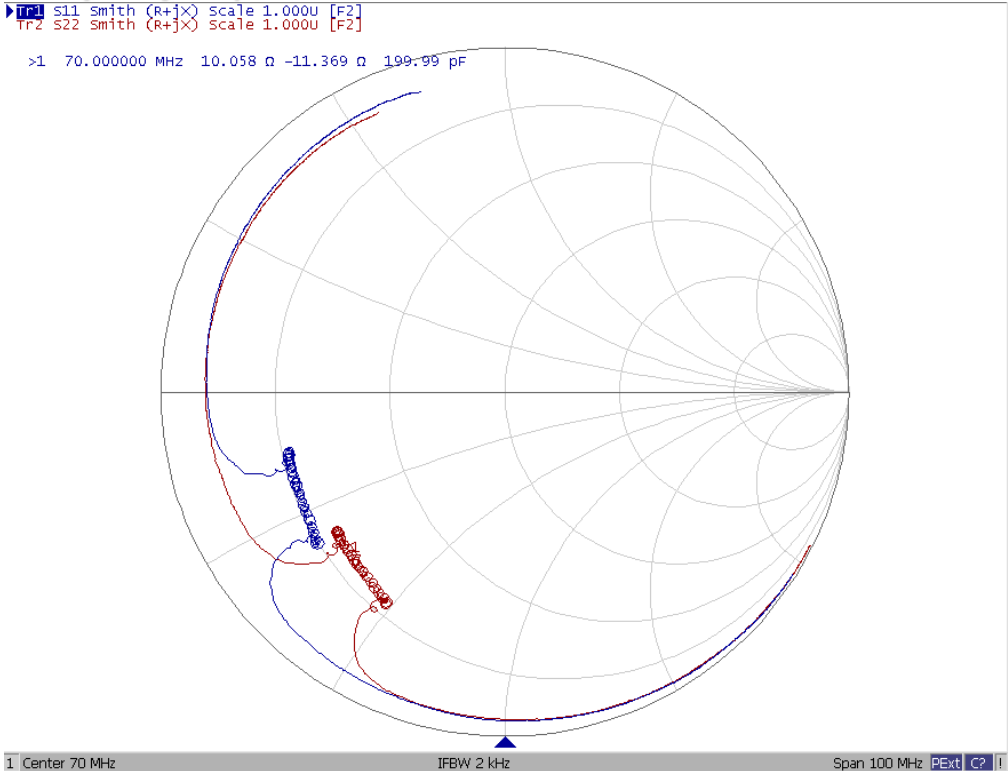
## Frequency response



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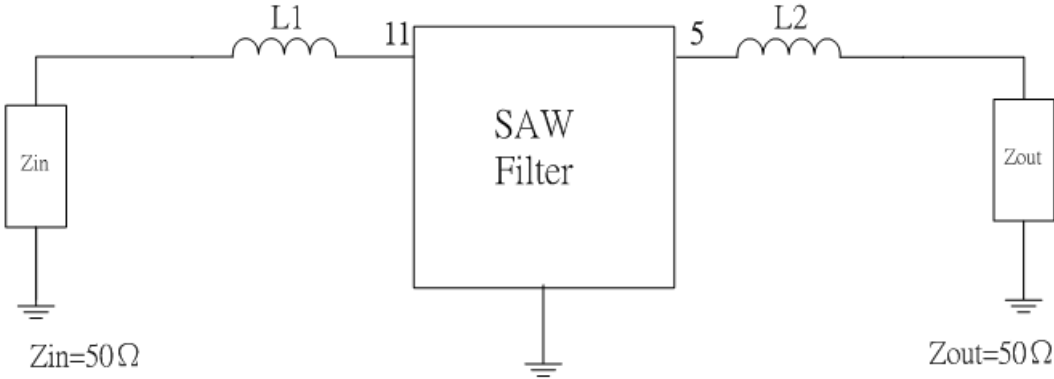


## Frequency response



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♣ Matching Circuit

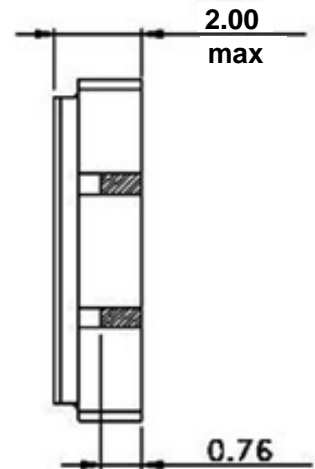
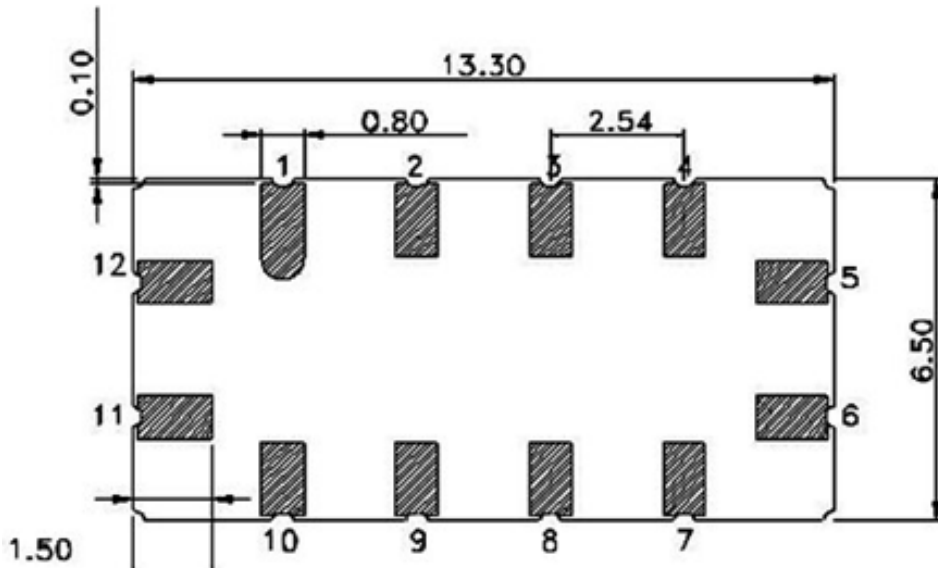
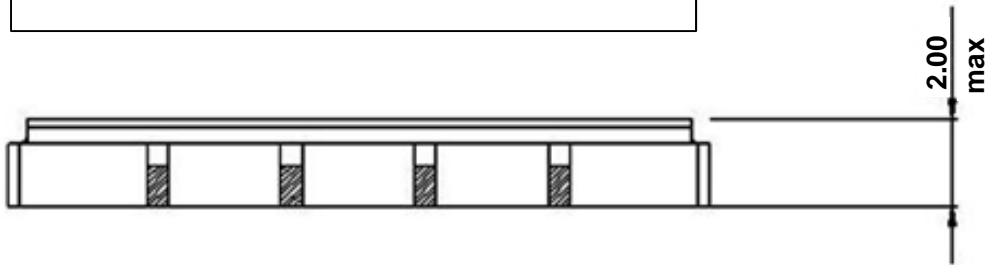


$L1=82\text{nH}$   $L2=82\text{nH}$

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PKG 13.3x6.5 mm<sup>2</sup>

Input + : 11  
Output + : 5  
Ground : others



All tolerances are  $\pm 0.15$ mm