

SL6021

IF SAW Filter

Revision 0: September 2005



- Electrical Characteristics
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-

□ Electrical Characteristics

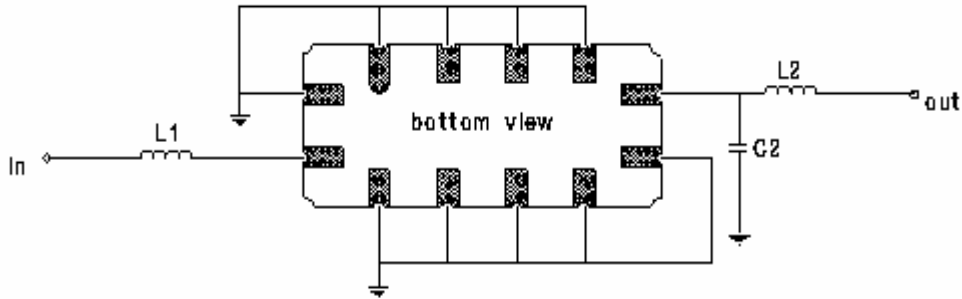
Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	60.0	-
Insertion Loss at Fo	dB	-	24.7	26.0
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Temperature Coefficient	ppm/°C	-	-94	-
Bandwidth at -1.0 dB	MHz	20.0	21.2	-
Amplitude Ripple (Fo±10 MHz)	dB _{p-p}	-	0.7	1.0
Absolute Delay at Fo	μs	-	0.93	-
Group Delay Variation (Fo±10 MHz)	ns	-	30	70
Relative Attenuation:				
Fo±9.50 MHz	dB	-	0	-
Fo±10.90 MHz	dB	-	1.5	-
Fo±19.5 MHz	dB	38	45	
Fo±20 MHz	dB	38	45	
Fo±40 MHz	dB	40	45	
From DC to Fo-29.5 MHz	dB	40	45	
From Fo+29.75 to 100 MHz	dB	40	43	
Operating Temperature	°C	-45		+85
Storage Temperature	°C	-45		+85
Package type & size		V		
Length x Width	mm ²	-	13.3 x 6.5	-
Height	mm	-	-	1.8

Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).

Those impedances could be modified with different impedance values and/or structures, if necessary.

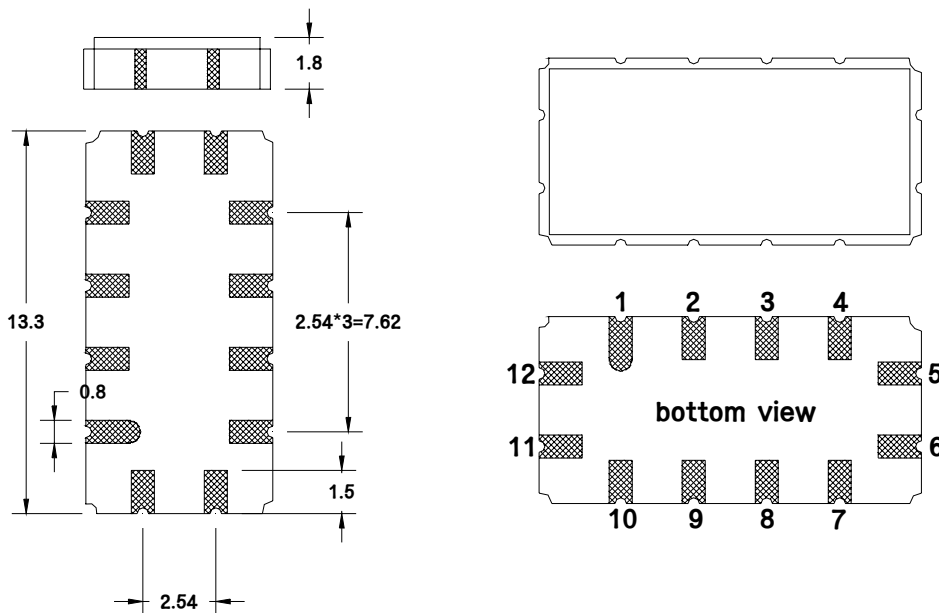
□ Testing Environment

Source & Load Impedance: 50 Ω



Test Fixture & Values	
Input	L1=120 nH , Q>40
Output	L2=150 nH , Q>40 , C2=20 pF

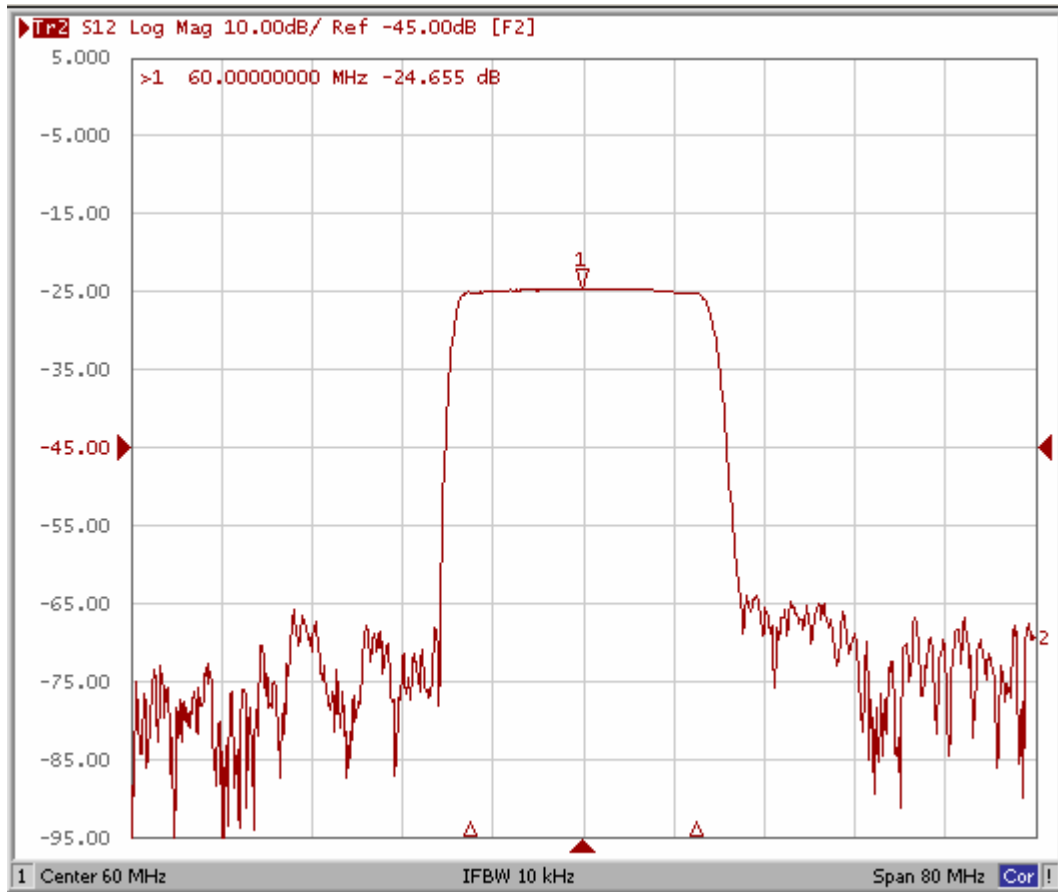
□ Package Drawing



PIN Descriptions: IN – 11, OUT – 5, GROUND - 1,2,3,4,6,7,8,9,10,12

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□ Frequency Characteristics



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