

1575.42 MHz BW 24 MHz SAW Filter**181088-101****Features**

- Low Loss
- Wide Band

Specifications

Parameter	Unit	Min	Typ	Max
Centre Frequency, f_o	MHz		1575.42	
1 dB Bandwidth, Bw1	MHz	24	42	
3 dB Bandwidth, Bw3	MHz		50	
Passband flatness within Bw1	dB			1
Minimum Insertion Loss, IL	dB		1.2	1.5
Group delay @ f_o	ns		15	25
Group delay variation within Bw1 (24MHz)	p-p ns		10	15
Rejection: DC to f_o -50MHz f_o +50MHz to 3GHz	dB	30 30		
Input Impedance	Ω		50	
Output Impedance	Ω		50	
Input/Output return loss	dB	10	15	
Package	mm	SMD 3x3X1.25		
Operating temperature	deg C	-40	25	85

Notes:

1. The filter is operating at L1 frequency. It has very low insertion loss, and wide enough bandwidth for 24MHz M code operation over operating temperature range. Margins for over temperature operation and tolerance for manufacturing are designed in.
2. The filter is matched to 50 ohm internally, external matching circuit is not necessary.

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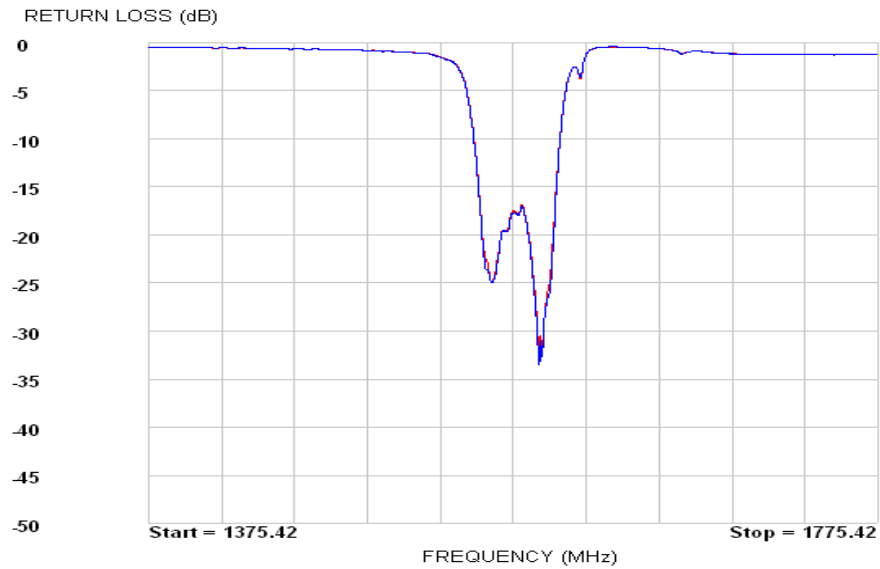
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Typical Measured Performance Data

Frequency Response



Return Loss



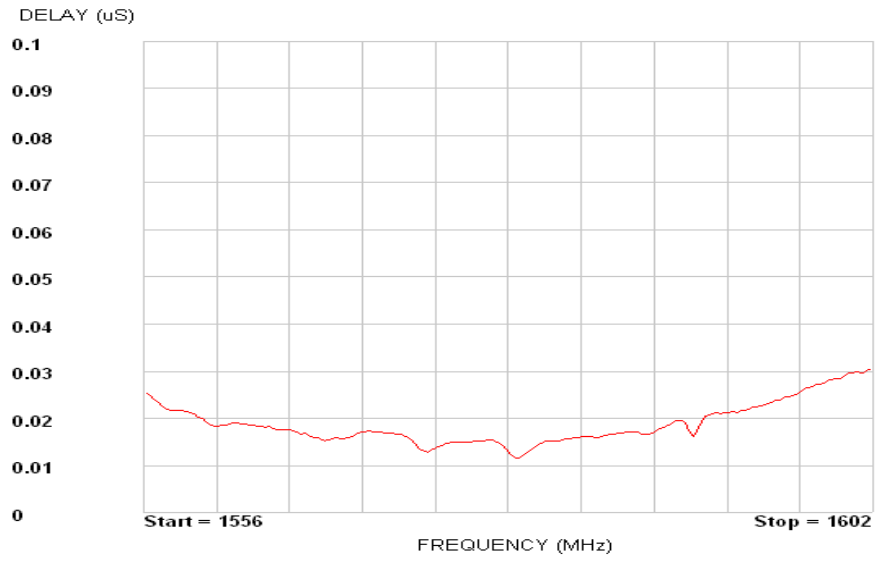
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Group Delay

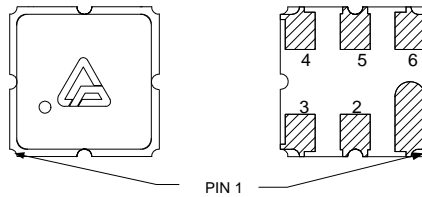
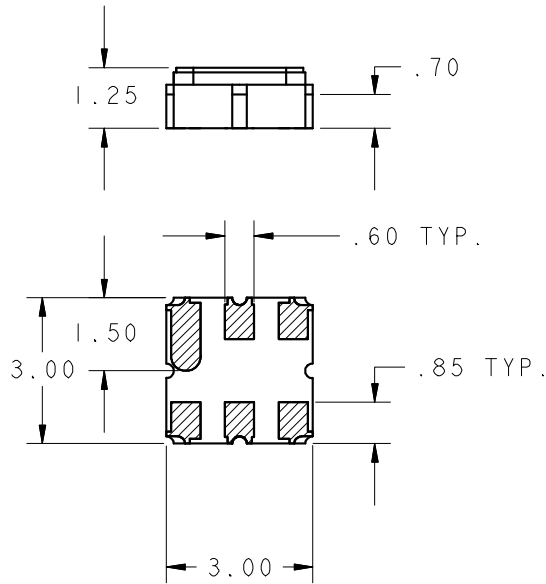


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Package Outline and Interface



Pin	Function
2	RF Input
5	RF Output
1, 3, 4, 6	Ground

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