

## 1227.6 MHz BW 24MHz High Rejection 167591-101

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Parameter	Unit	Measured Performance
Centre Frequency, $f_o$	MHz	1227.6
Insertion Loss @ 1227.6 MHz	dB	1.4 Typical 2.0 Max
1 dB Bandwidth, $B_w$	MHz	31.5 Typical
3 dB Bandwidth	MHz	24MHz Min 41 Typical
Passband ripple	dB	0.4 Typical, 1 Max
Group Delay Variation within 1db bandwidth	ns	20 Max
Group Delay @ $f_o$	ns	25 Typical, 50 Max
Rejection @ $f_o-45$ MHz @ $f_o+45$ MHz	dB	50 Min 50 Min
Ultimate Rejection DC to $f_o-45$ MHz $f_o+45$ MHz to 3GHz	dB	37 41
Input Impedance	$\Omega$	50 Single Ended
Output Impedance	$\Omega$	50 Single Ended
Return Loss $f_o\pm$ 10MHz	dB	14 Typical 10 Min
Operating Temperature Range	deg C	-55 to +90
Package		SMT 3x3

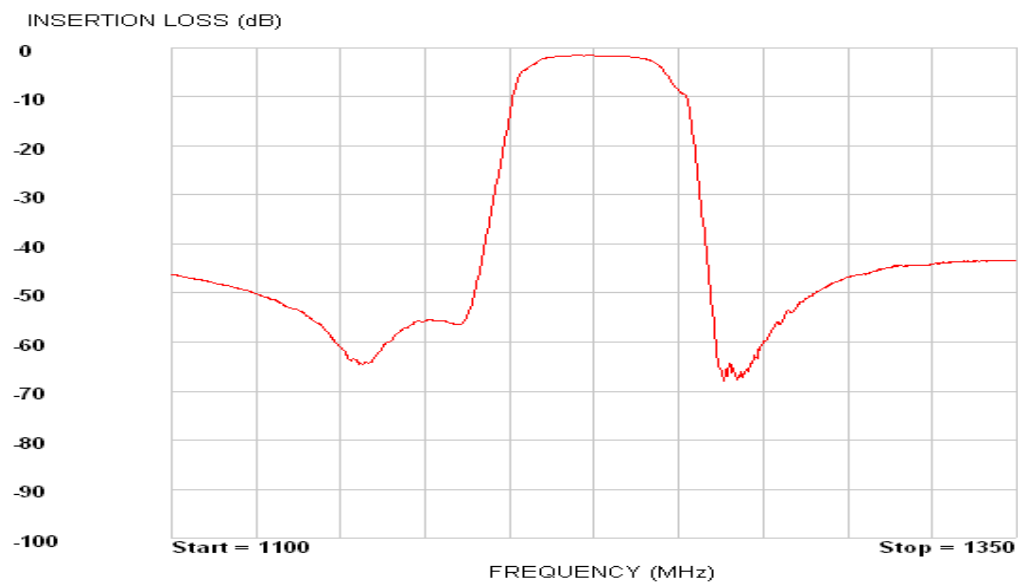
Notes:

- 1 Performance is over operating temperature.

## Measured Performance

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### Near band frequency response



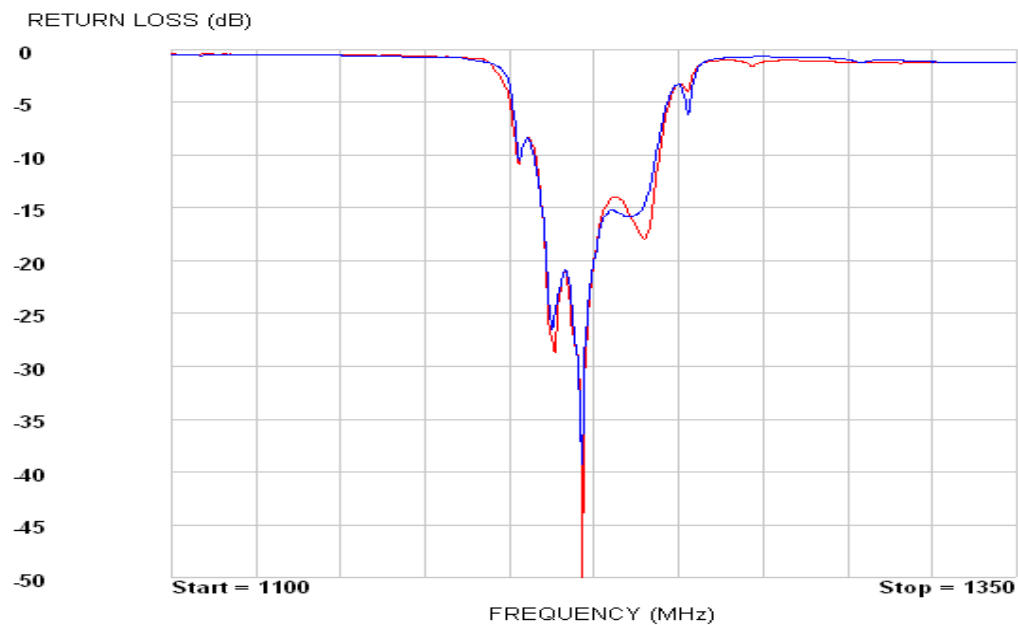
### Out of band frequency response



## Measured Performance

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### In band return loss

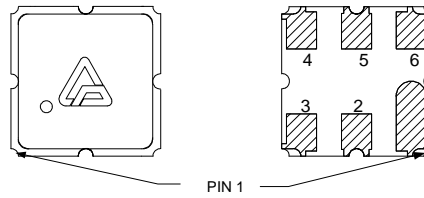
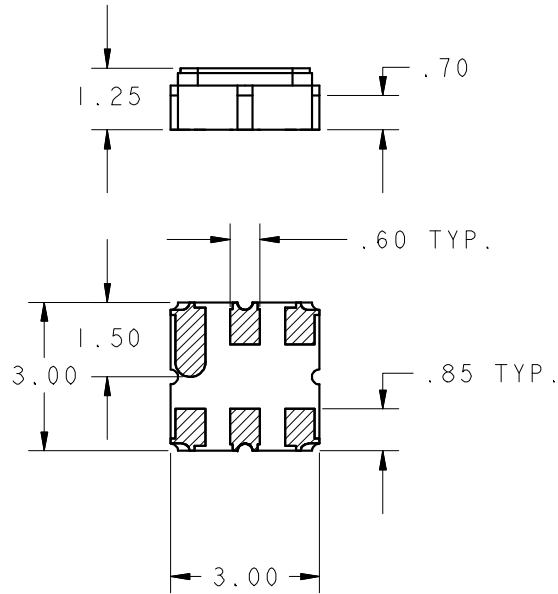


### In band amplitude ripple



## Package Outline

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