

1227.6 MHz BW 24MHz SAW Filter

167590-101

SAW PRODUCTS

Parameter	Unit	Measured Performance
Centre Frequency, f_o	MHz	1227.6
Insertion Loss @1227.6 MHz	dB	1.0 Typical 1.5 Max
1 dB Bandwidth, B_w	MHz	35 Typical
3 dB Bandwidth	MHz	24MHz Min 42.5MHz Typical
Passband ripple	dB	0.3 Typical, 1 Max
Group Delay Variation within 1db bandwidth	ns	15 Max
Group Delay @ f_o	ns	20 Typical, 50 Max
Rejection @ f_o -45MHz @ f_o +45MHz	dB	40 Typical, 34 Min 50 Typical, 40 Min
Ultimate Rejection DC to f_o -45MHz f_o +45MHz to 3GHz	dB	32 35
Input Impedance	Ω	50, Single Ended
Output Impedance	Ω	50, Single Ended
Return Loss within 1dB bandwidth	dB	16 Typical, 10 Min
Operating Temperature Range	deg C	-55 to +90
Package	mm ²	SMT 3x3

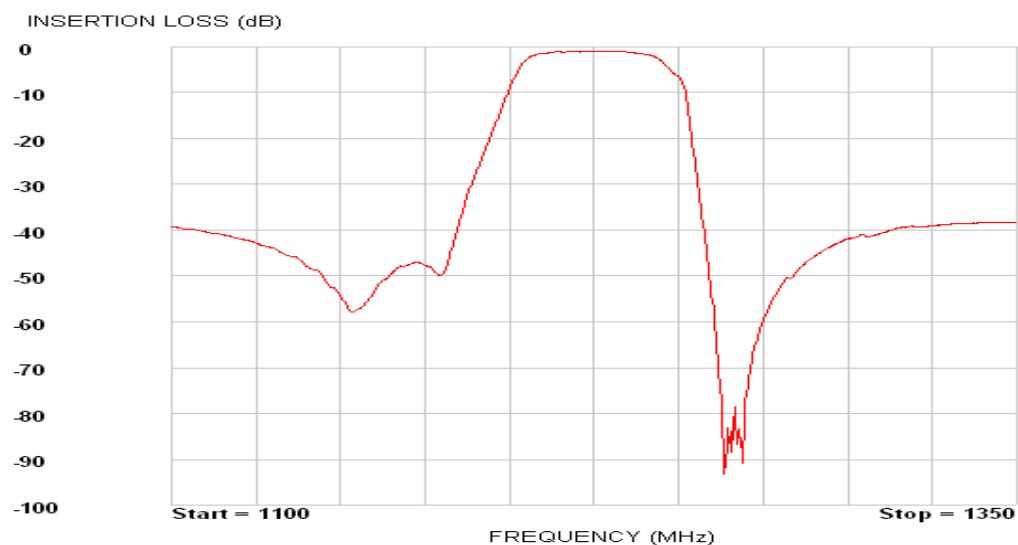
Notes:

- 1 Performance is over operating temperature.
- 2 Device is matched to 50 ohm internally; matching circuit is not necessary.

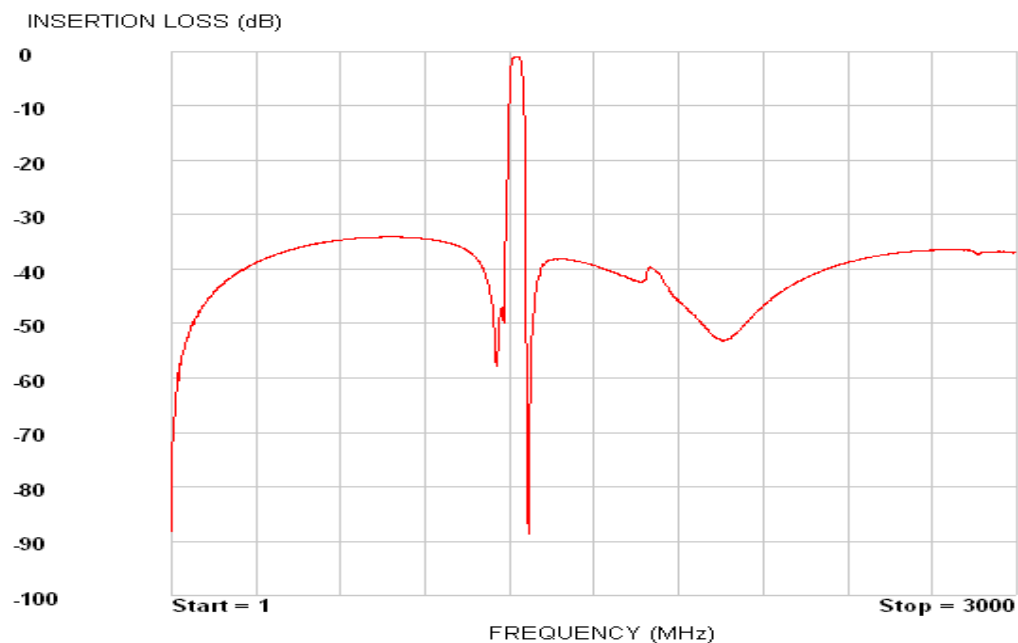
Measured Performance

SAW PRODUCTS

Near band frequency response

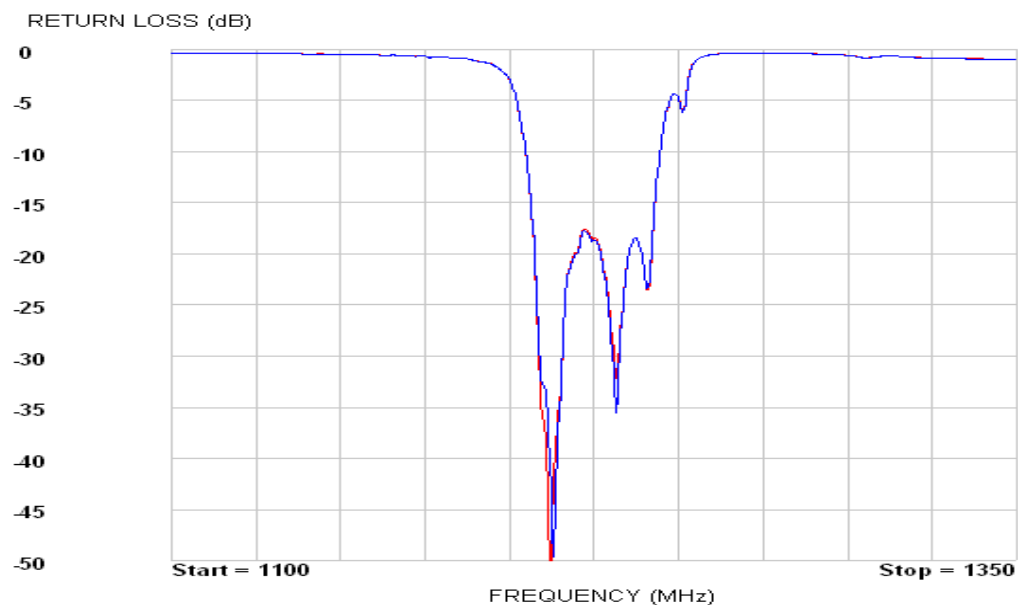


Out of band frequency response

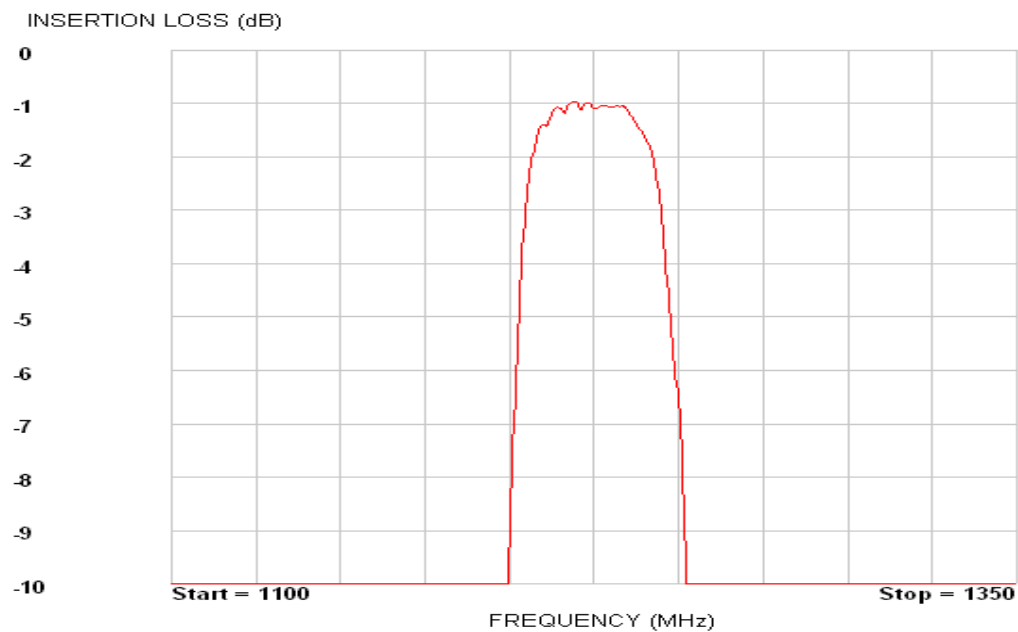


Measured Performance

In band return loss

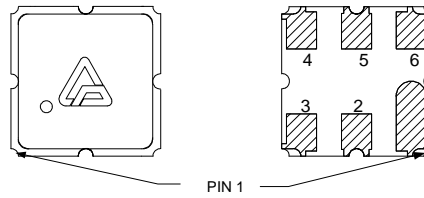
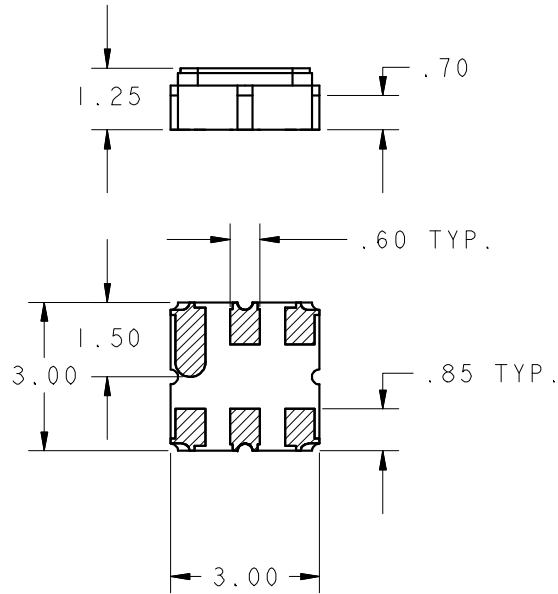


In band amplitude ripple



Package Outline

SAW PRODUCTS



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