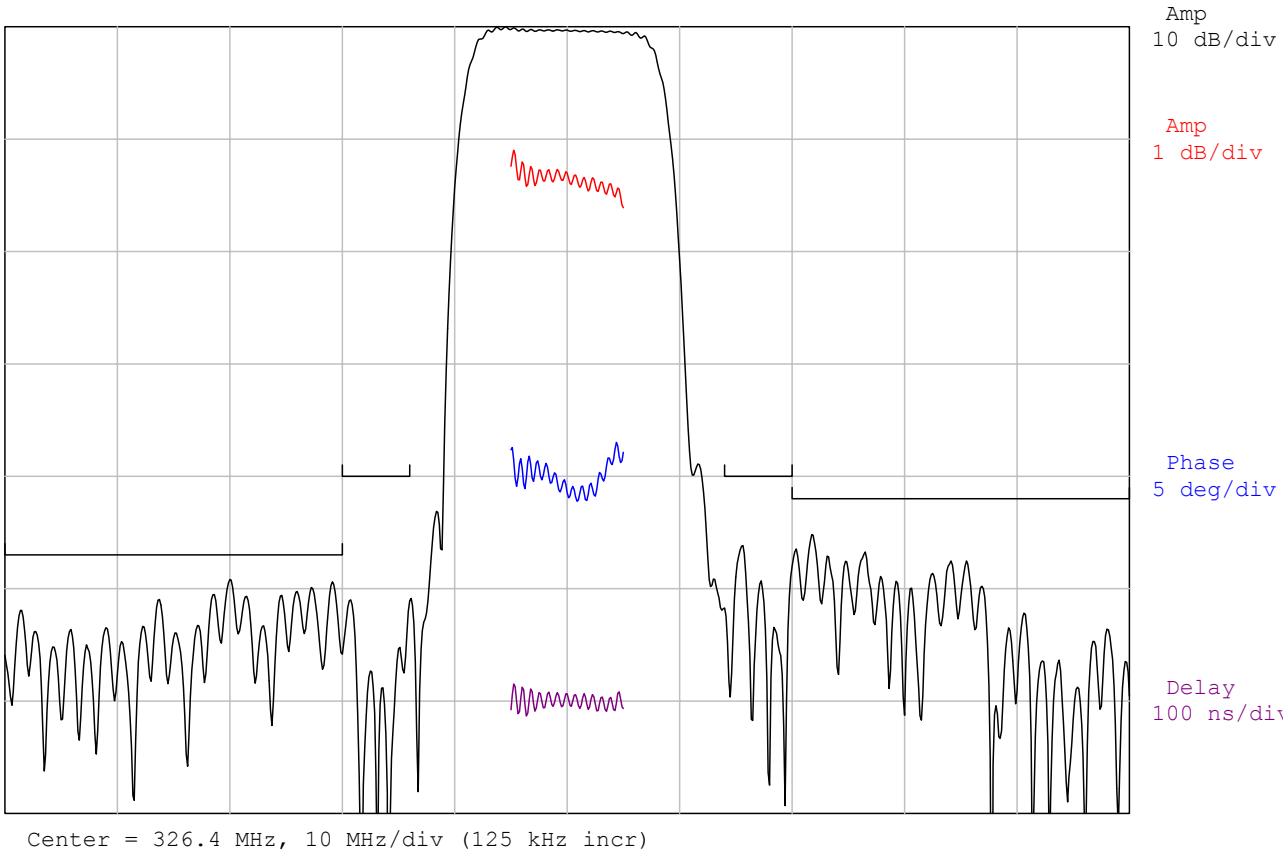
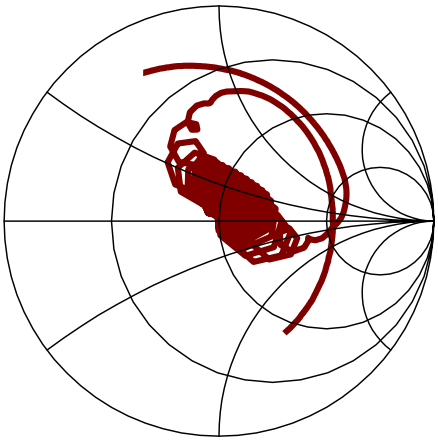
DESCRIPTION

- 326.4 MHz SAW bandpass filter with 10 MHz bandwidth.
- 7 x 5 mm ceramic LCC package.
- RoHS compliant.

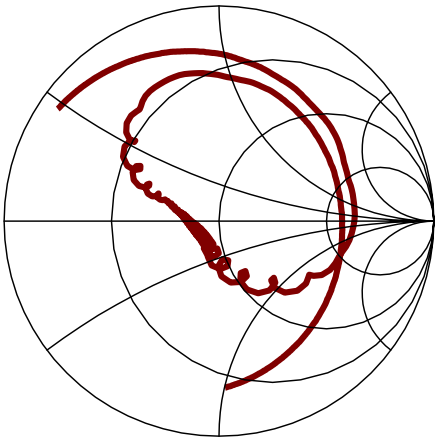
TYPICAL PERFORMANCE



S11 (276.4-376.4 MHz)



S22 (276.4-376.4 MHz)



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SPECIFICATION

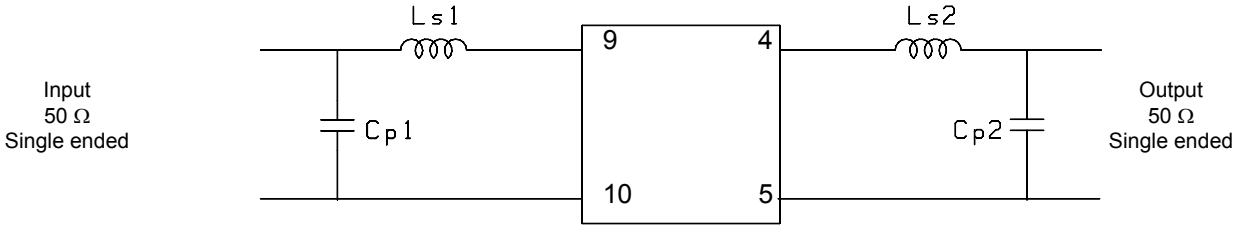
Parameter	Min	Typ	Max	Units
Center Frequency, F_C [1]	-	326.4	-	MHz
Insertion Loss [2]	-	8.2	10	dB
Passband Ripple (321.4-331.4 MHz)	-	0.5	1	dB p-p
Group Delay Deviation (321.4-331.4 MHz)	-	35	60	ns p-p
Absolute Delay	-	580	750	ns
1 dB bandwidth [2]	10	14.4	-	MHz
Lower 1 dB Frequency	-	319.5	321.4	MHz
Upper 1 dB Frequency	331.4	333.9	-	MHz
40 dB Bandwidth	-	23.3	25.5	MHz
Relative Attenuation (10 to 306.4 MHz) [2]	47	50	-	dB
Relative Attenuation (306.4 to 312.4 MHz) [2]	40	45	-	dB
Relative Attenuation (340.4 to 346.4 MHz) [2]	40	44	-	dB
Relative Attenuation (346.4 to 500 MHz) [2]	42	44	-	dB
Input IP3 [3]	37.5	-	-	dBc
Source and Load Impedance		50		ohms
Temperature Coefficient of Frequency		-86		ppm/˚C
Ambient Temperature	-	25	-	˚C

Notes:
1. Reference frequency. Computed as mean of the 3 dB frequencies.
2. All dB values are referenced to the insertion loss value, which is recorded as minimum value in the passband.
3. Measured inside filter passband.

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	˚C
Operating Temperature Range	-20	85	˚C
Input Power Level	-	10	dBm

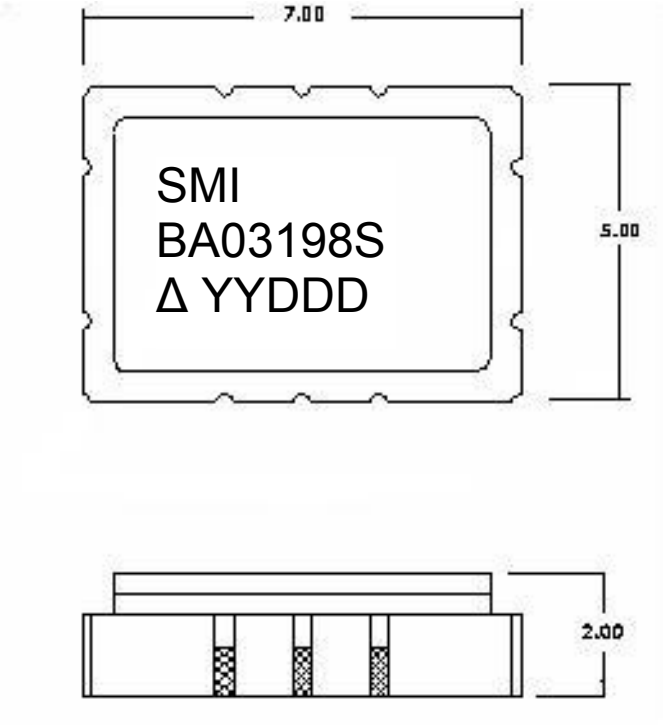
MATCHING CIRCUIT

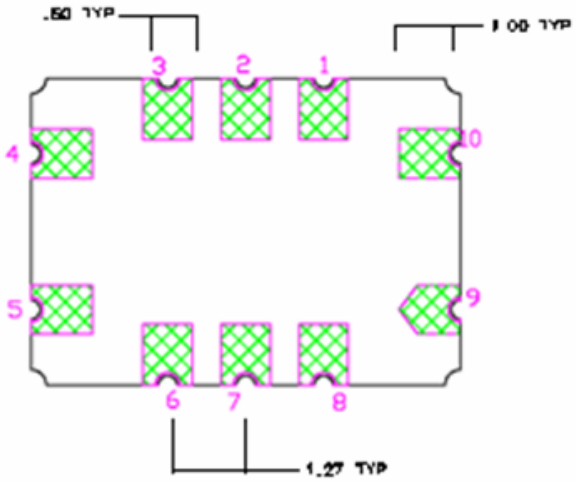


Ls1 = 27 nH Ls2 = 47 nH
Cp1 = 10 pF Cp2 = 10 pF

Notes:
- Recommend 2% or better tolerance matching components. Typical inductor Q=40.
- Optimum values may change depending on board layout. Values shown are intended as a guide only.

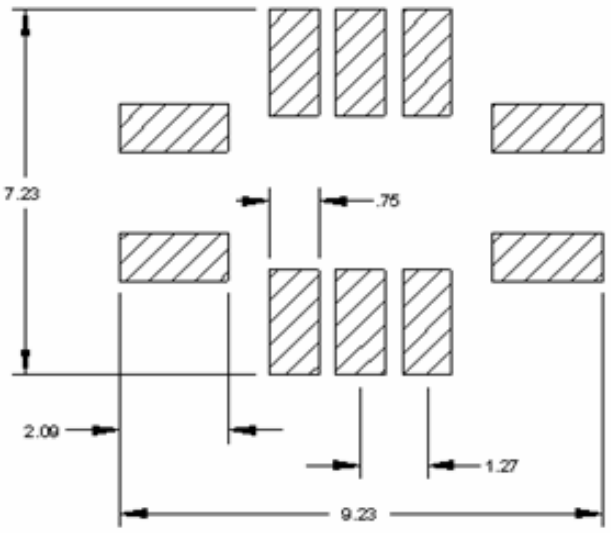
PACKAGE OUTLINE





Package Material:
Body: Al_2O_3 ceramic
Lid: *Kovar, Ni* plated
Terminations: *Au* plating 1 µm min,
over a 1.3-8.9 µm *Ni* plating

SUGGESTED FOORPRINT



Units: mm

Tolerances are typically ±0.15 mm except where indicated.

Pad Configuration:

Input:	9
Input return:	10
Output:	4
Output return:	5
Ground:	All other pads

ISO 9001
Registered

All specifications are believed to be accurate and reliable. However, Spectrum Microwave reserves the right to make changes without notice.
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