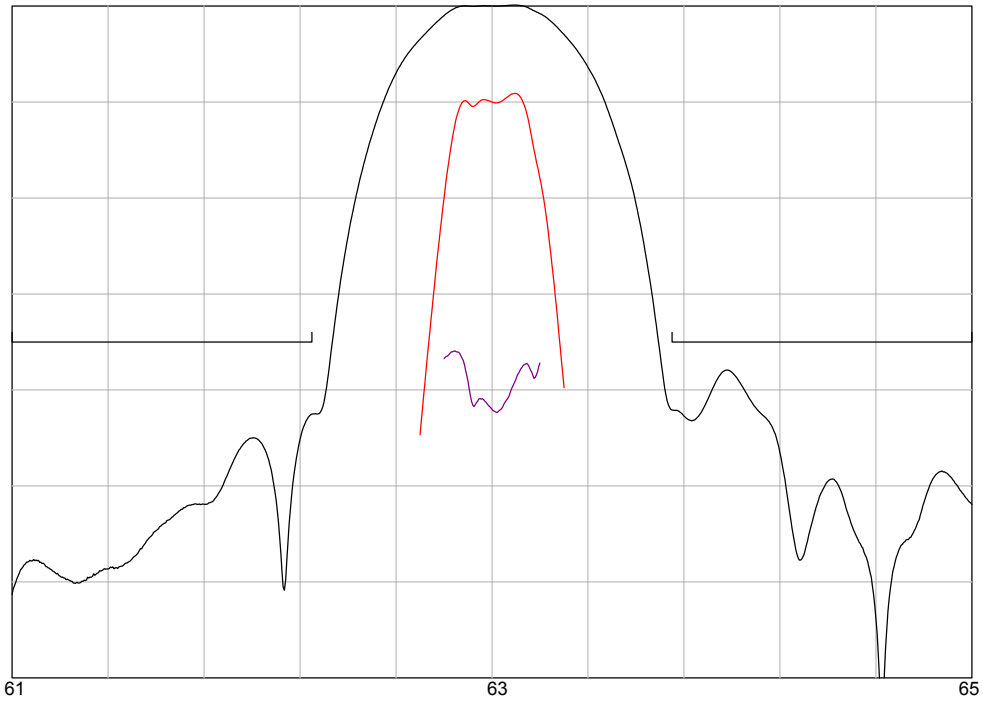
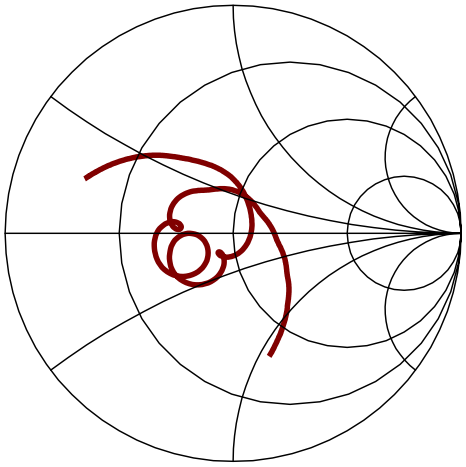
- 63 MHz SAW bandpass filter with 0.55 MHz bandwidth in 19 x 6.55 mm SMP
- RoHS compliant

TYPICAL PERFORMANCE

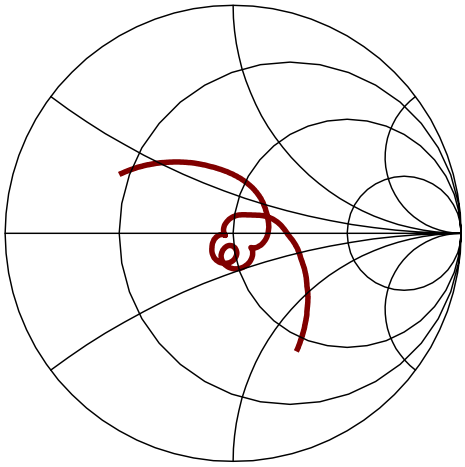


Vertical from top:	Relative Magnitude :	10	dB/div
	Relative magnitude :	1	dB/div
	Group Delay Deviation :	500	ns/div

S11 (61-65 MHz)



S22 (61-65 MHz)



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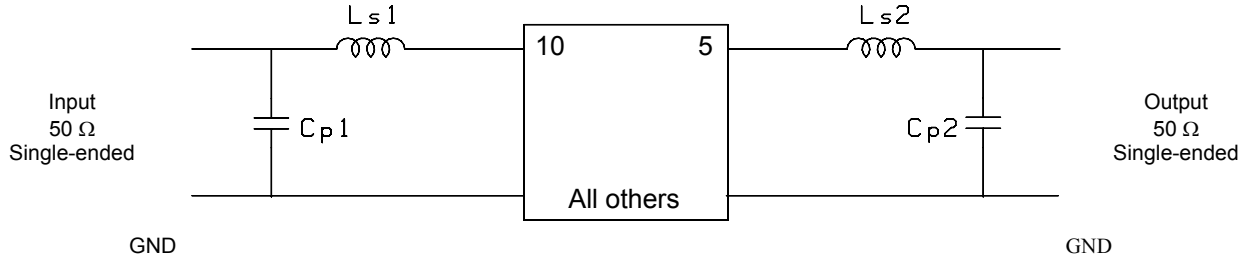
Parameter	Min	Typ	Max	Units
Center Frequency, F_C [1]	62.95	63	63.05	MHz
Insertion Loss at 63 MHz	-	8.35	9	dB
1 dB Bandwidth [2]	0.35	0.41	-	MHz
3 dB Bandwidth [2]	0.55	0.58	-	MHz
35 dB Bandwidth [2]	-	1.35	1.4	MHz
Relative Attenuation (61 to 62.25 MHz)	35	42	-	dB
Relative Attenuation (63.75 to 65 MHz)	35	38	-	dB
Relative Attenuation (10 to 61 MHz)	43	55	-	dB
Relative Attenuation (65 to 140 MHz)	43	49	-	dB
Passband Ripple	-	0.2	1.0	dB p-p
Group Delay Ripple (Fc +/- 0.2 MHz)	-	300	520	ns p-p
Absolute Delay	-	1.95	-	us
Source/Load Impedance		50		ohms

Notes: 1. Defined as the average of the lower and upper 3 dB frequencies.
2. All dB levels are defined relative to the insertion loss at 63 MHz.

MAXIMUM RATINGS

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

MATCHING CIRCUIT

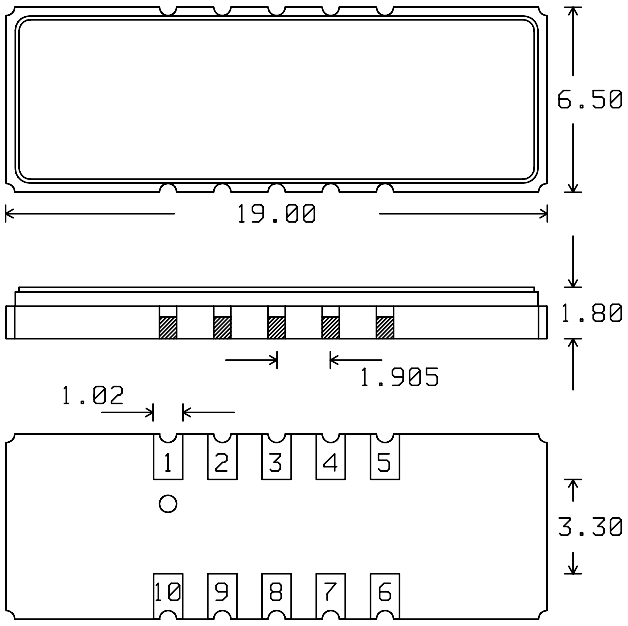


Typical component values:
(Minimum inductor Q = 40)

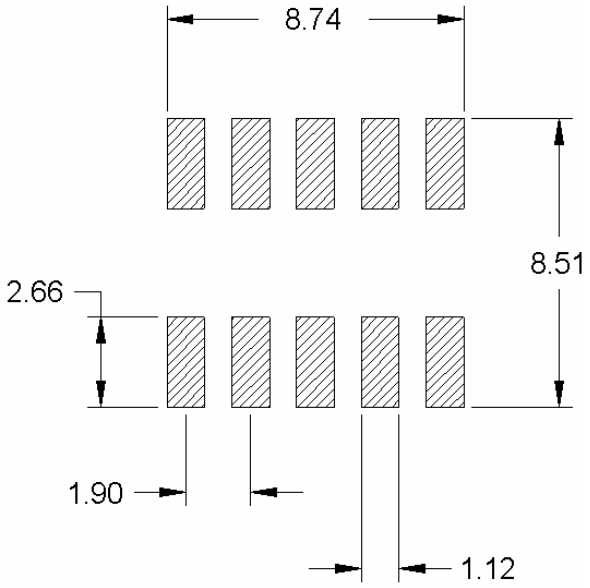
Ls1	=	540	nH	Ls2	=	616	nH
Cp1	=	100	pF	Cp2	=	82	pF

Notes:
1. Recommend use of 2% tolerance matching components.
2. Component values are for reference only and may change depending on board layout.

PACKAGE OUTLINE



SUGGESTED FOOTPRINT



Units: mm

Tolerances are ±0.15 mm except for the overall length, width and pad dimensions, which are nominal values.

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

Pad Configuration:

Input:	10
Input return:	1
Output:	5
Output return:	6
Ground:	2,3,4,7,8,9

ISO 9001 Registered

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