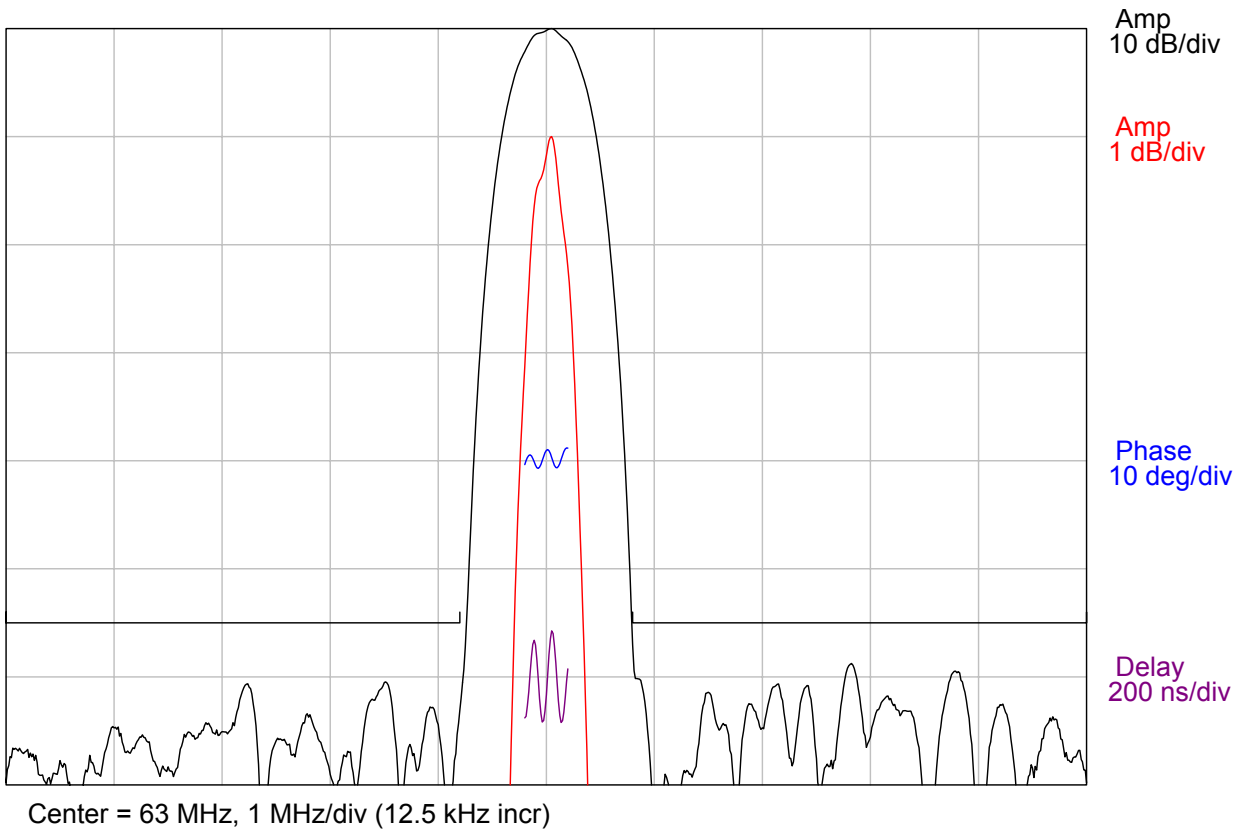


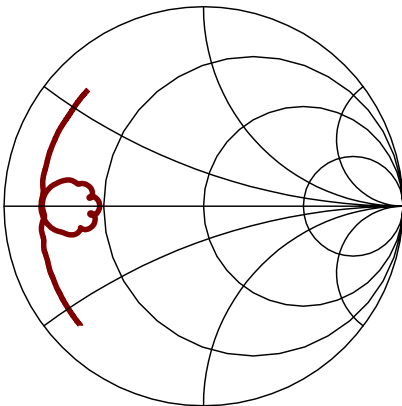
DESCRIPTION

- 63 MHz SAW bandpass filter with 0.4 MHz bandwidth for Wireless Data applications.
- 22.1 x 12.7 mm DIP package.
- RoHS compliant.

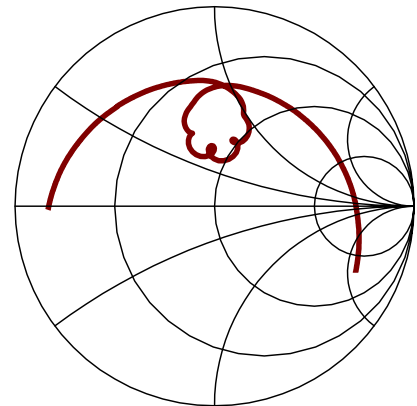
TYPICAL PERFORMANCE



S11 (58-68 MHz)



S22 (58-68 MHz)



SPECIFICATION

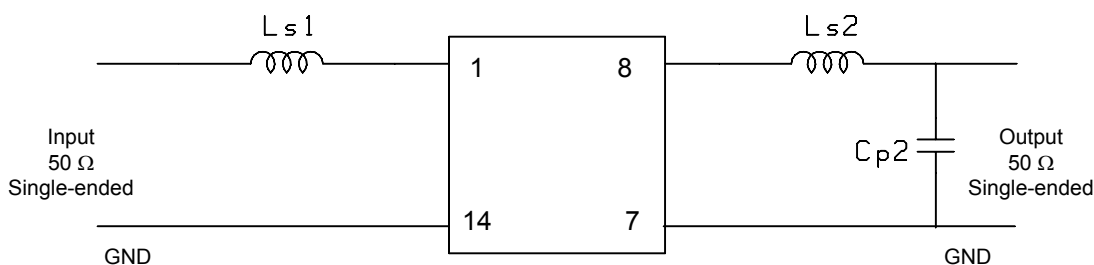
Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	-	63.00	-	MHz
Insertion Loss	-	13.1	15.0	dB
Absolute Delay	-	2.82	-	us
3 dB Bandwidth	0.40	0.45	-	MHz
55 dB Bandwidth	-	1.56	1.60	MHz
Phase Linearity (in 3 dB BW)	-	2	3	deg p-p
Group Delay Ripple (Fc+/-0.2 MHz)	-	170	-	ns p-p
Passband Ripple	-	1.5	2.0	dB p-p
Triple Transit Suppression	30	35	-	dB
Feed Through	40	45	-	dB
Source and Load Impedance	-	50	-	Ω
Spurious Rejection (0.3 – 62.2 MHz)	55	58	-	dB
Spurious Rejection (63.8 – 100 MHz)	55	58	-	dB
Ambient Temperature	-	25	-	° C

Note: 1. Defined as the average of the lower and upper 3 dB frequencies.

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-55	85	°C
Operating Temperature Range	-55	70	°C
Input Power Level	-	15	dBm

MATCHING CIRCUIT



Typical component values:

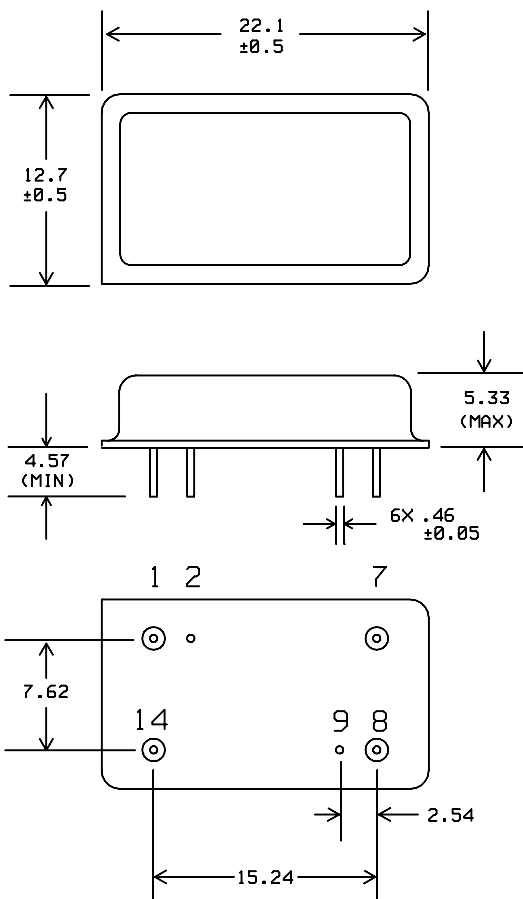
$$Ls1 = 330 \text{ nH} \quad Ls2 = 470 \text{ nH}$$

$$Cp2 = 51 \text{ pF}$$

Notes:

1. Recommend use of 2% tolerance matching components. Typical inductor Q=40.
2. Component values may change depending on board layout.

PACKAGE OUTLINE



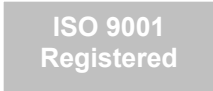
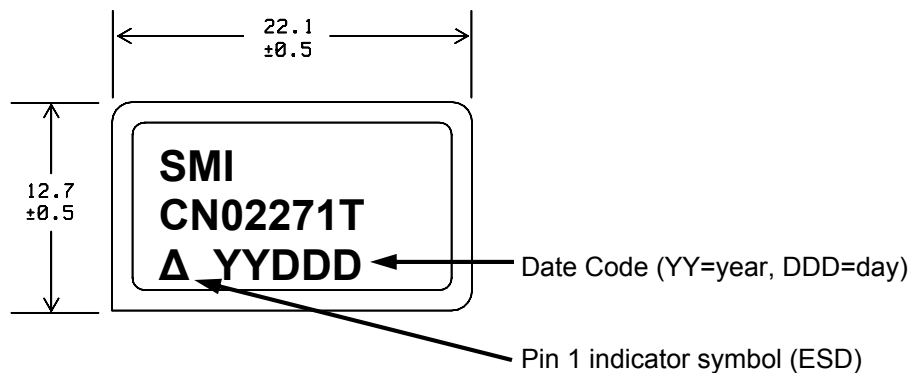
Units: mm

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

Pin Configuration:

Input:	1
Input return:	14
Output:	8
Output return:	7
Ground:	2,9

MARKING



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