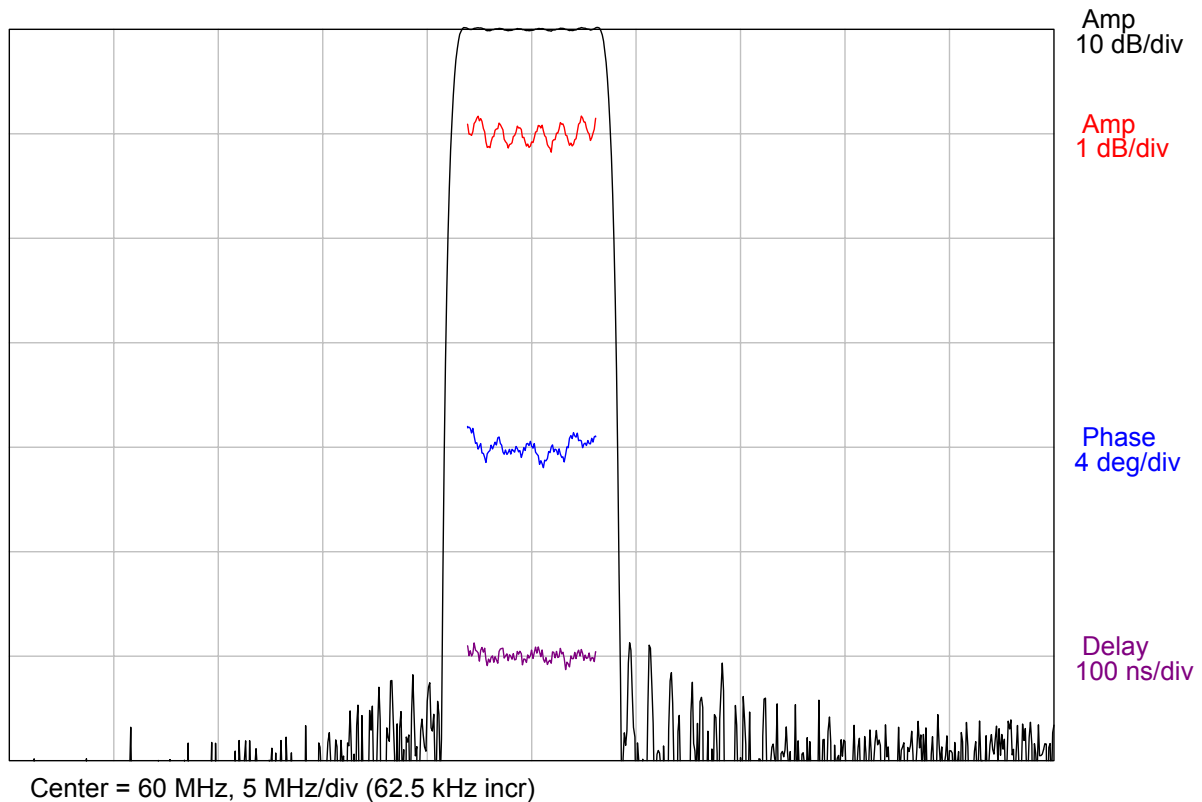


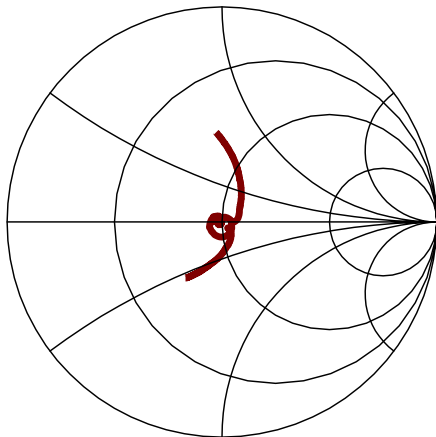
DESCRIPTION

- 60 MHz SAW bandpass filter with 6.15 MHz bandwidth.
- 35.1 x 20.6 mm 24-pin DIP package.
- RoHS compliant.

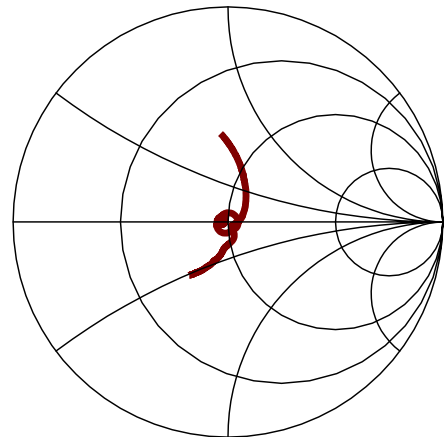
TYPICAL PERFORMANCE



S11 (35-85 MHz)



S22 (35-85 MHz)



SPECIFICATION

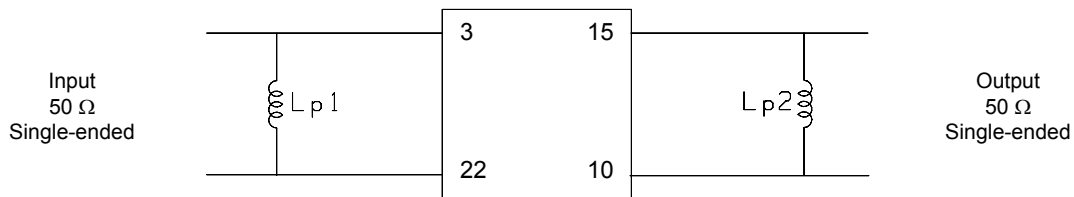
Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	59.90	60.00	60.10	MHz
1dB Bandwidth ²	6.15	6.92	-	MHz
3dB Bandwidth ²	-	7.18	7.25	MHz
55dB Bandwidth ²	-	8.47	9.85	MHz
Device Delay	2.9	2.92	3	us
Average Insertion Loss ³	-	27.9	34	dB
Passband Amplitude Ripple ³	-	0.35	0.4	dB p-p
Passband Phase Ripple ³	-	1.6	2	deg p-p
Triple Travel and Spurious	55	58	-	dB
Input VSWR (at 60 MHz at 25C)	-	1.35	1.5	:1
Output VSWR at 60 MHz at 25C)	-	1.35	1.5	:1
Temperature Coefficient	-	-74	-	ppm/°C
Source and Load Impedance	-	50	-	Ω
Ambient Temperature	25			°C

- Notes:
1. Defined as the average of the lower and upper 3 dB frequencies at room ambient.
 2. All dB levels are defined relative to the insertion loss.
 3. Evaluated from 56.925 to 63.075 MHz at room ambient.

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating Temperature Range	-25	85	°C
Input Power Level	-	13	dBm

MATCHING CIRCUIT



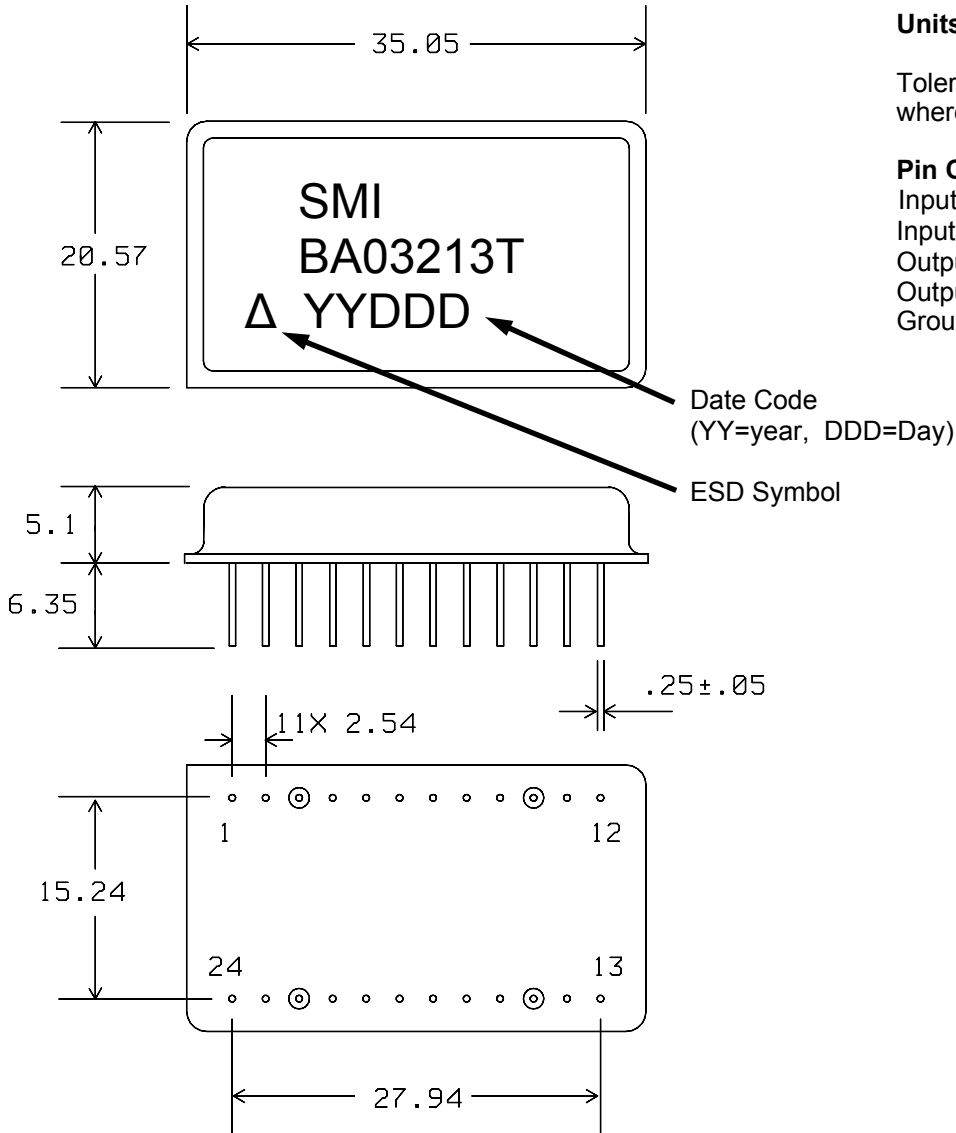
$$L_{p1} = 180 \text{ nH}$$

$$L_{p2} = 180 \text{ nH}$$

Notes:

- Recommend 2% toleranced matching components. Typical Inductor Q=40.
- Values shown are for guidance only and may change depending upon board layout.

PACKAGE OUTLINE



Units: mm

Tolerances are ±0.15 mm except where indicated.

Pin Configuration:

Input:	3
Input Return:	22
Output:	15
Output Return:	10
Ground:	All other pins

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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