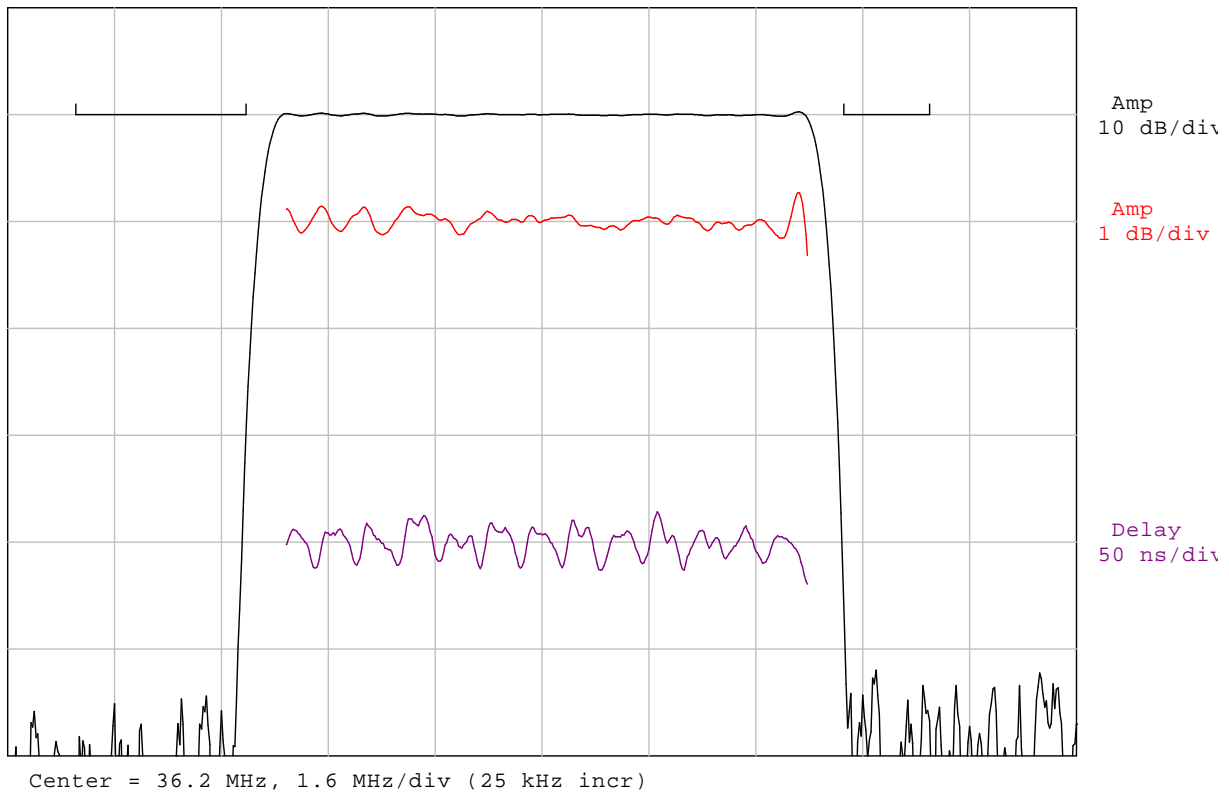


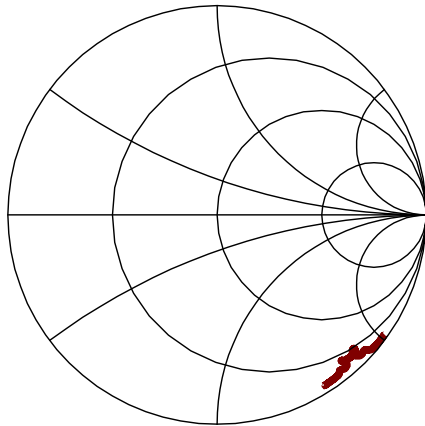
DESCRIPTION

- 36.2 MHz SAW bandpass filter for VSB system L-IF applications.
- 35.05 x 20.57 mm DIP package, 24 pins.
- RoHS compliant.

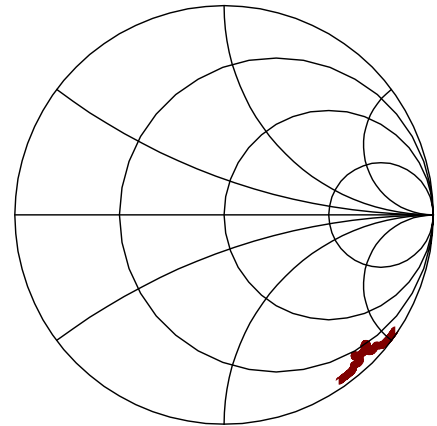
TYPICAL PERFORMANCE



S11 (28.2-44.2 MHz)



S22 (28.2-44.2 MHz)



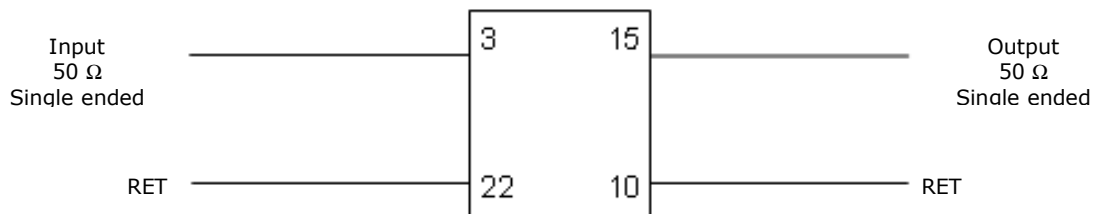
SPECIFICATION

Parameter	Min	Typ	Max	Units
F_visual	-	38.9	-	MHz
F_color	-	32.9	-	MHz
F_audio	-	32.4	-	MHz
Center Frequency (Nominal)	-	36.2	-	MHz
Insertion Loss	28	31.2	32	dB
1 dB Lower Band Edge	-	32.10	32.2	MHz
1 dB Upper Band Edge	40.15	40.25	-	MHz
Passband Ripple (32.3-40.1 MHz)	-	0.3	0.5	dB p-p
Phase Deviation (32.3-40.1 MHz)	-	3	5	deg p-p
GD Ripple (32.3-40.1 MHz)	-	30	50	ns p-p
Rejection (20-29.15 MHz)	46	55	-	dB
Rejection (29.15-31.70 MHz)	30	50	-	dB
Rejection (40.65-42.0 MHz)	30	50	-	dB
Rejection (42.0-65.0 MHz)	46	55	-	dB
2T K Factor	-	1	1.5	%
2T Pulse and Bar	-	0.7	1.5	%
Absolute Delay	-	4	-	us
Ambient Temperature	50			° C
Temperature Coefficient	-80			ppm / ° C
Source/Load Impedance	50			Ω

MAXIMUM RATINGS

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

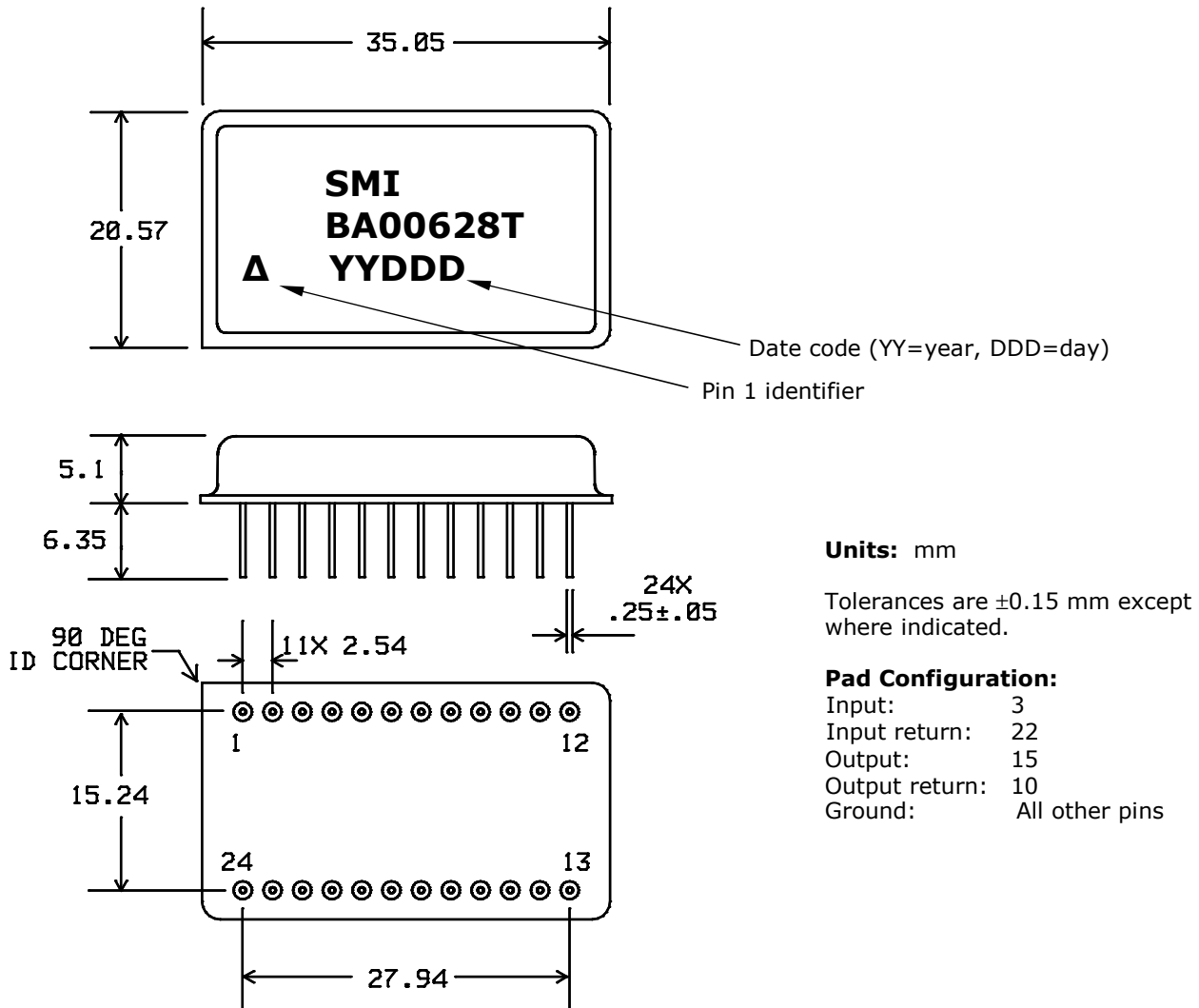
MATCHING CIRCUIT



Notes:

- 50 ohms, single ended.
- Matching components are not required.

PACKAGE OUTLINE



Units: mm

Tolerances are ± 0.15 mm except where indicated.

Pad 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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