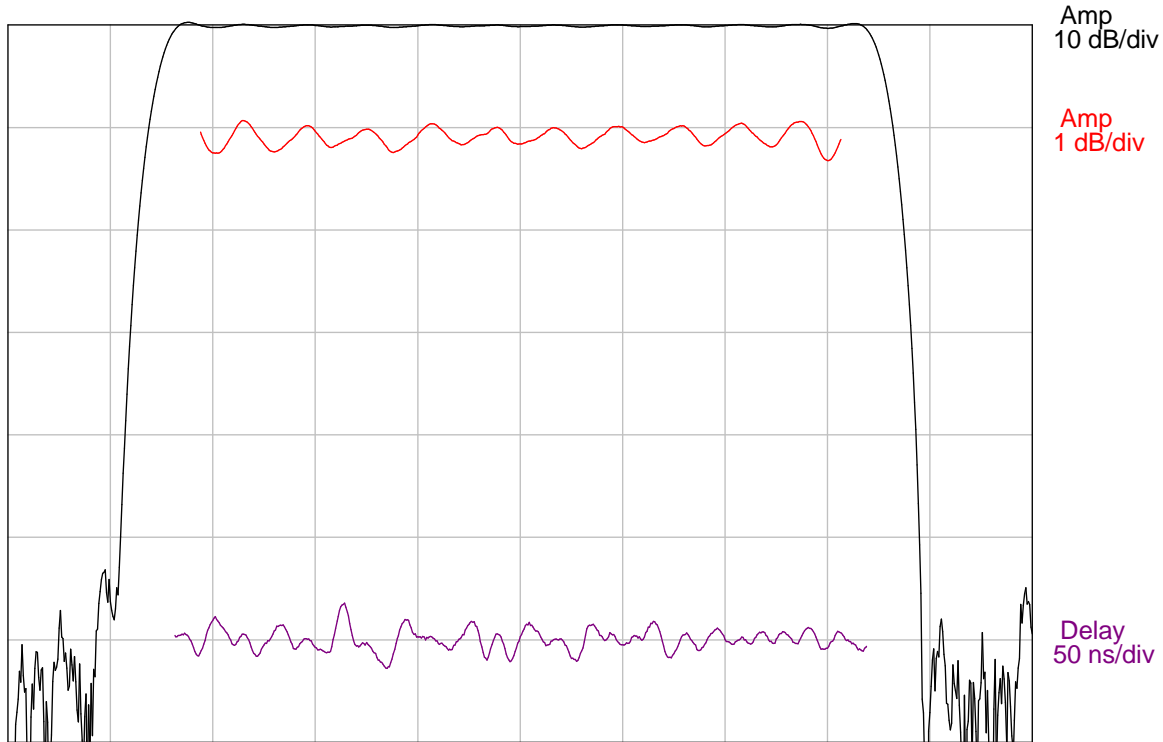


DESCRIPTION

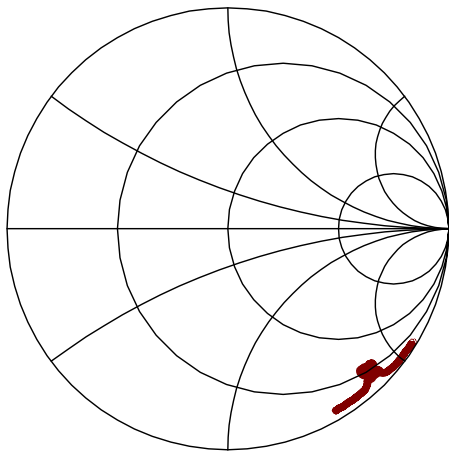
- 36.3 MHz SAW bandpass filter with 6.7 MHz Bandwidth for VSB system B/G-IF applications.
- 35.05 x 20.57 mm DIP package, 24 pins.
- RoHS compliant.

TYPICAL PERFORMANCE

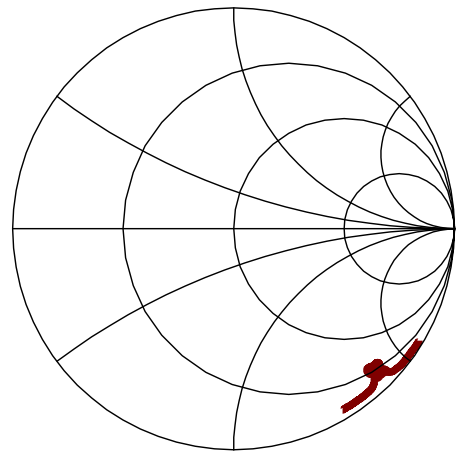


Center = 36.32 MHz, 1 MHz/div (12.5 kHz incr)

S11 (31.32-41.32 MHz)



S22 (31.32-41.32 MHz)



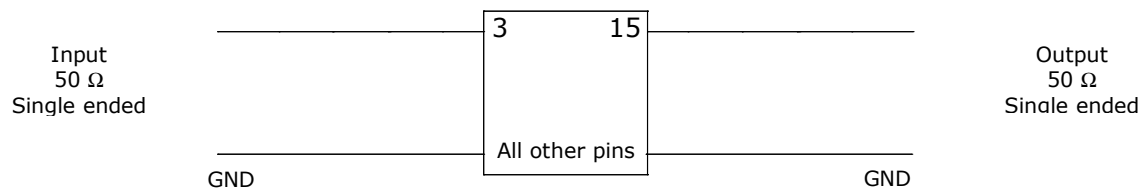
SPECIFICATION

Parameter	Min	Typ	Max	Units
F_visual	-	38.9	-	MHz
F_color	-	34.5	-	MHz
F_audio	-	33.4	-	MHz
Center Frequency (nominal)	-	36.3	-	MHz
Insertion Loss	-	29.5	32	dB
1 dB Lower Band Edge	-	32.91	32.95	MHz
1 dB Upper Band Edge	39.65	39.74	-	MHz
Passband Ripple (33.15-39.4 MHz)	-	0.3	0.5	dB p-p
Phase Deviation (32.9-39.65 MHz)	-	3	5	deg p-p
GD Ripple (32.9-39.65 MHz)	-	40	50	ns p-p
Rejection (20-32 MHz)	45	55	-	dB
Rejection at 32.4 MHz	52	60	-	dB
Rejection (40.4-55 MHz)	45	55	-	dB
2T K Factor	-	0.5	-	%
Pulse to Bar Ratio	-	1	-	%
Absolute Delay	-	4.5	-	us
Ambient Temperature	37	40	43	°C
Temperature Coefficient	-72			ppm/°C
Source/Load Impedance	50			Ω
Substrate Material	128 Lithium Niobate			

MAXIMUM RATINGS

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

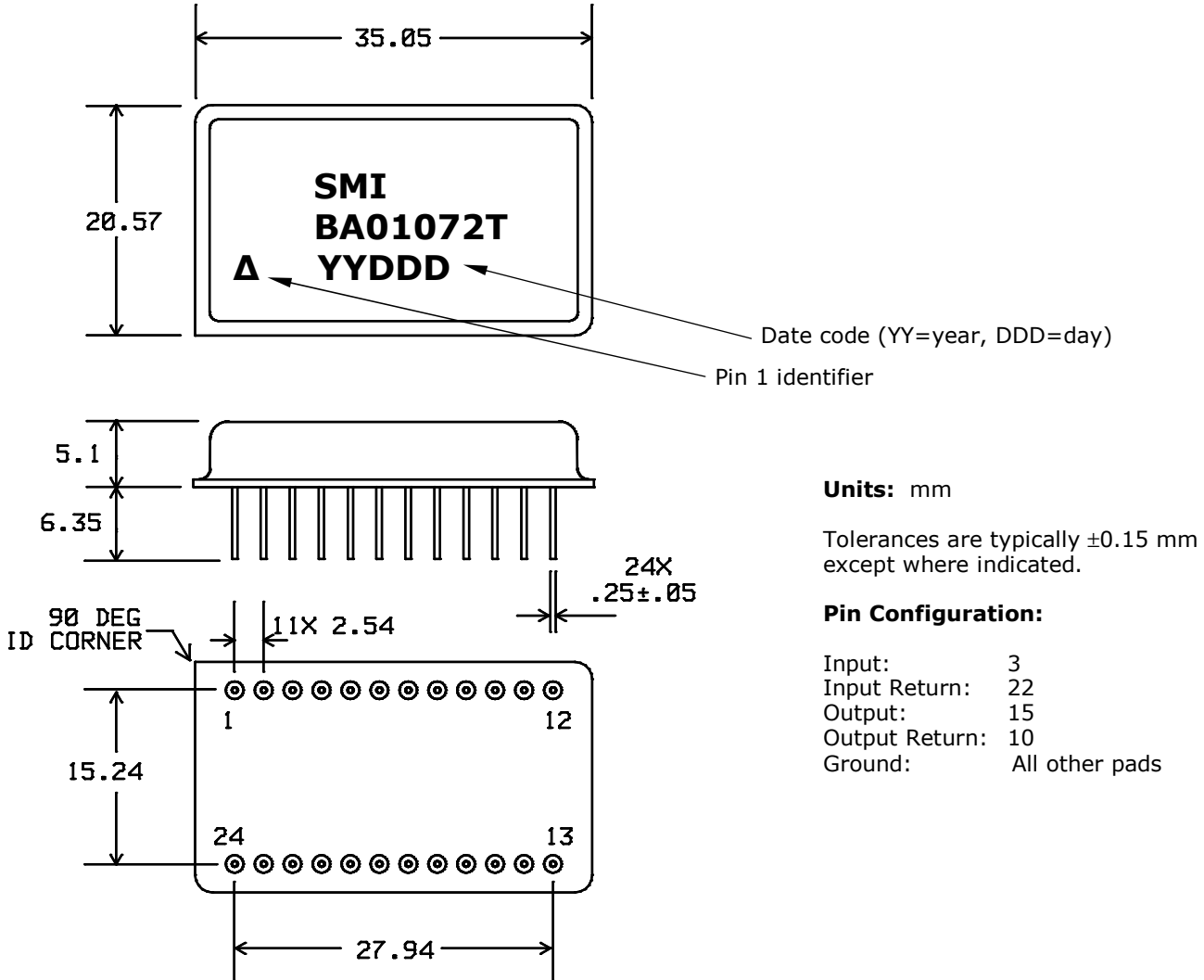
MATCHING CIRCUIT



Notes:

- External matching components are not required.
- Device is intended to operate in a 50 Ω single ended system.

PACKAGE OUTLINE



Units: mm

Tolerances are typically ±0.15 mm except where indicated.

Pin Configuration:

- Input: 3
- Input Return: 22
- Output: 15
- Output Return: 10
- 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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