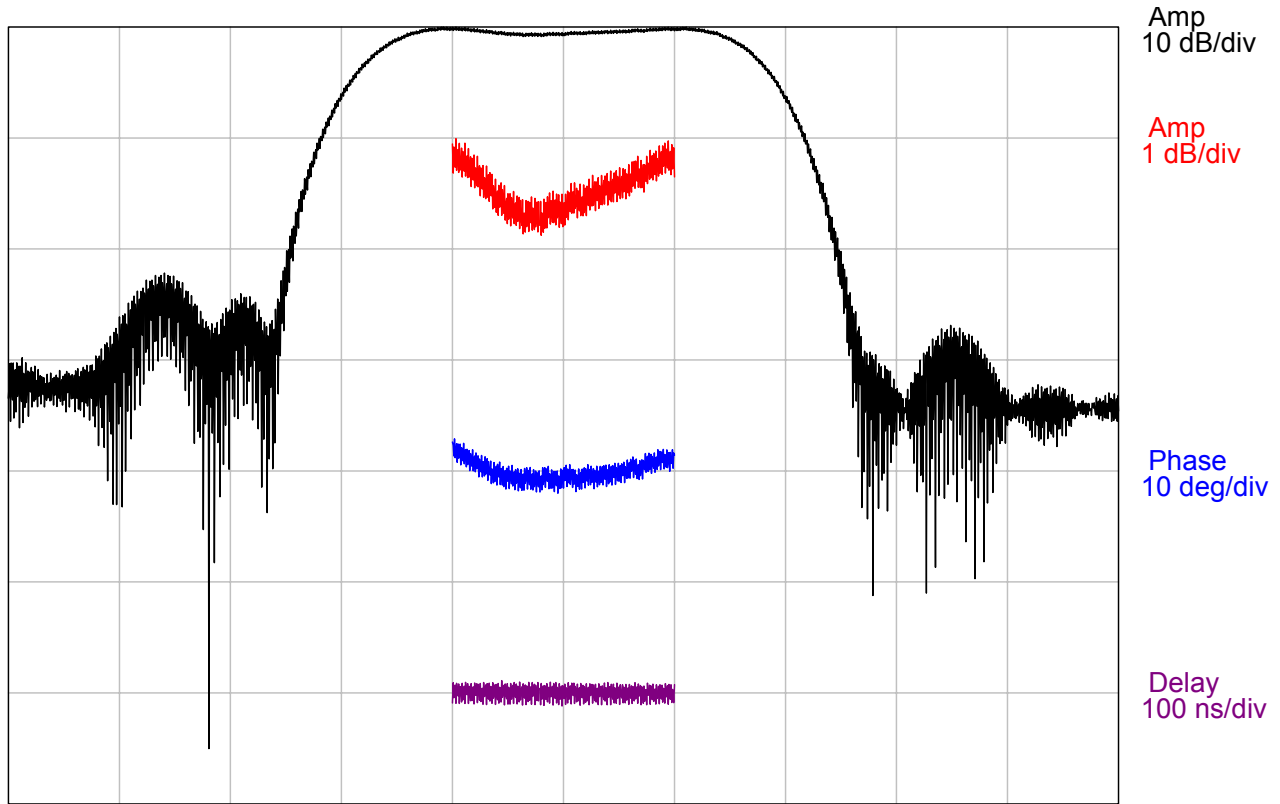


DESCRIPTION

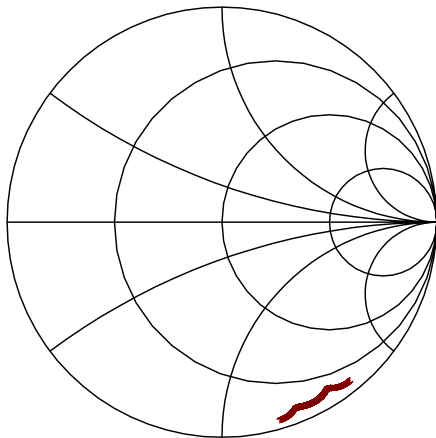
- 1960 MHz SAW delay line with minimum 60 MHz bandwidth.
- 22.1 x 12.7 mm 14-6 pin DIP package.
- RoHS compliant.

TYPICAL PERFORMANCE

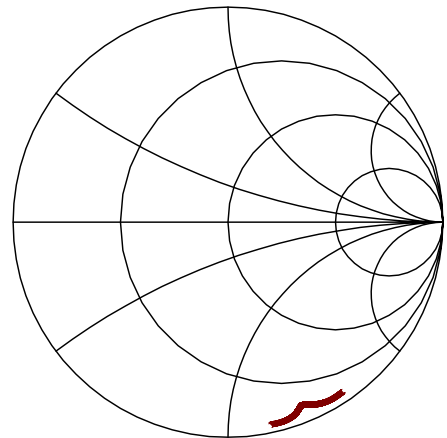


Center = 1960 MHz, 30 MHz/div (187.5 kHz incr)

S11 (1860-2060 MHz)



S22 (1860-2060 MHz)



SPECIFICATION

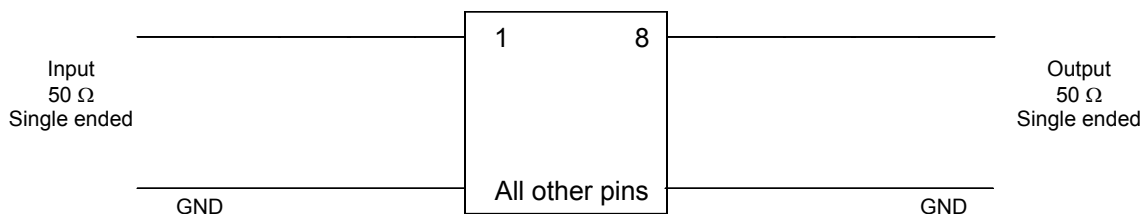
Parameter	Min	Typ	Max	Units
Center Frequency, F_c ¹	-	1960	-	MHz
Minimum Insertion Loss	-	39.7	43	dB
Passband Ripple (any 1.25 MHz channel between 1930-1990 MHz)	-	0.45	0.6	dB p-p
Phase Ripple (1930-1990 MHz)	-	5	8	deg p-p
Group Delay Deviation (1930-1990 MHz)	-	30	50	ns p-p
Absolute Delay	1.9	2.05	2.1	us
3 dB bandwidth ²	60	86	-	MHz
Source and Load Impedance	50			ohms
Temperature Coefficient of Frequency	-86			ppm/°C
Ambient Temperature	-	25	-	°C

- Notes: 1. Reference frequency. Computed as mean of the 3 dB frequencies.
2. All dB values are referenced to the insertion loss value.

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating Temperature Range	0	80	°C
Input Power Level	-	10	dBm

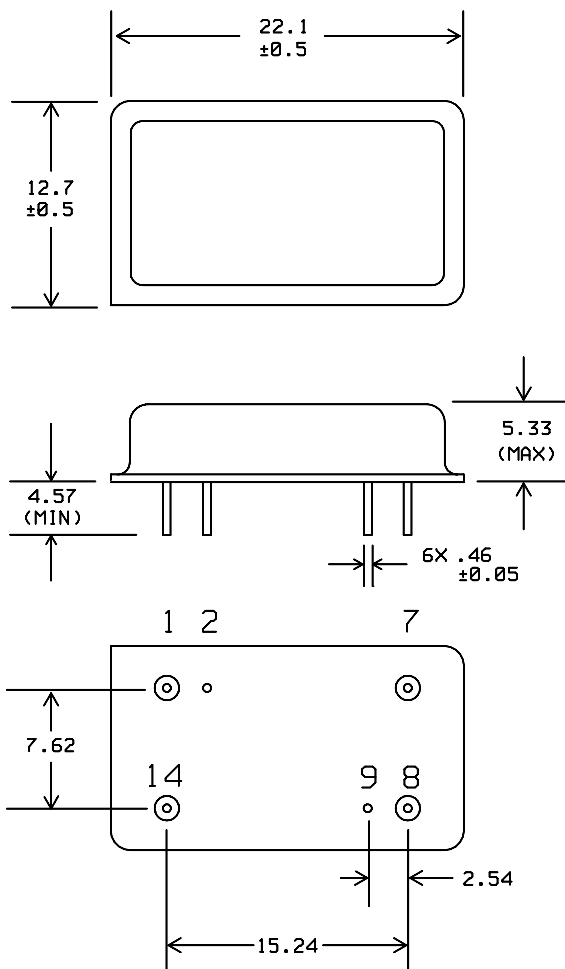
MATCHING CIRCUIT



Notes:

- Matching components are not required.
- Delay line is to be operated in a 50 ohm single-ended system.

PACKAGE OUTLINE



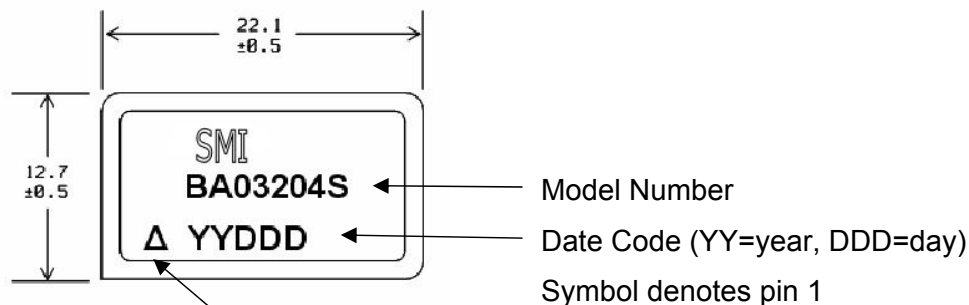
Units: mm

Tolerances are typically ± 0.15 mm except where indicated.

Pin Configuration:

Input: 1
Output: 8
Ground: All other pins

MARKING



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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