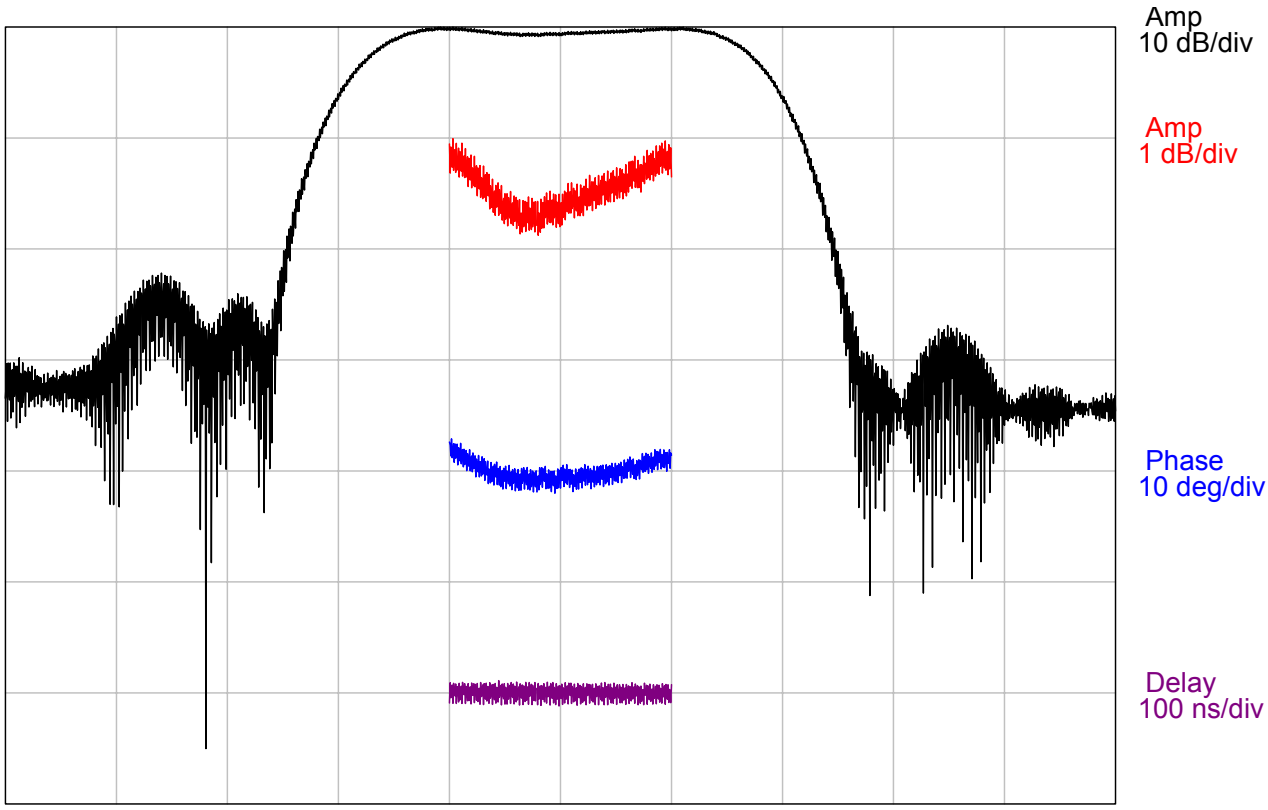
1960 MHz SAW Delay Line
60 MHz Bandwidth
Part Number SD1960BA03204S

DESCRIPTION

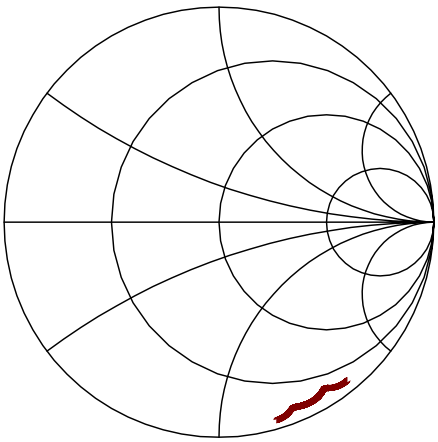
- 1960 MHz SAW delay line with minimum 60 MHz bandwidth.
- 22.1 x 12.7 mm 14-6 pin DIP package.
- RoHS compliant.

TYPICAL PERFORMANCE

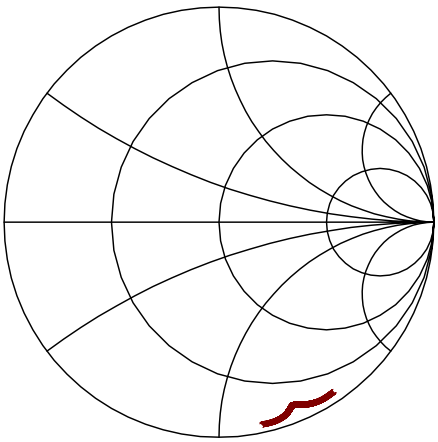


Center = 1960 MHz, 30 MHz/div (187.5 kHz incr)

S11 (1860-2060 MHz)



S22 (1860-2060 MHz)



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www.SpectrumMicrowave.com

SPECIFICATION

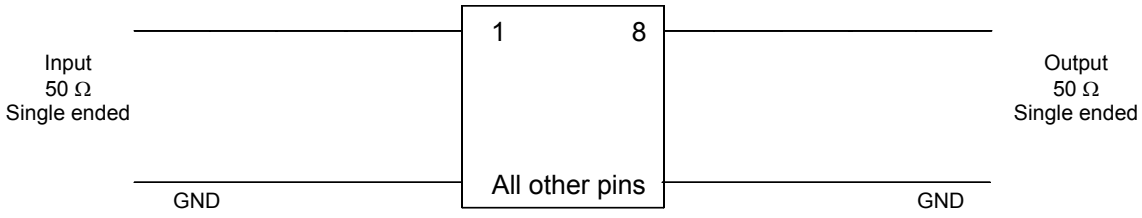
Parameter	Min	Typ	Max	Units
Center Frequency, F_C [1]	-	1960	-	MHz
Minimum Insertion Loss	-	39.7	43	dB
Passband Ripple (any 1.25 MHz channel between 1930-1990 MHz)	-	0.45	0.6	dB p-p
Phase Ripple (1930-1990 MHz)	-	5	8	deg p-p
Group Delay Deviation (1930-1990 MHz)	-	30	50	ns p-p
Absolute Delay	1.9	2.05	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

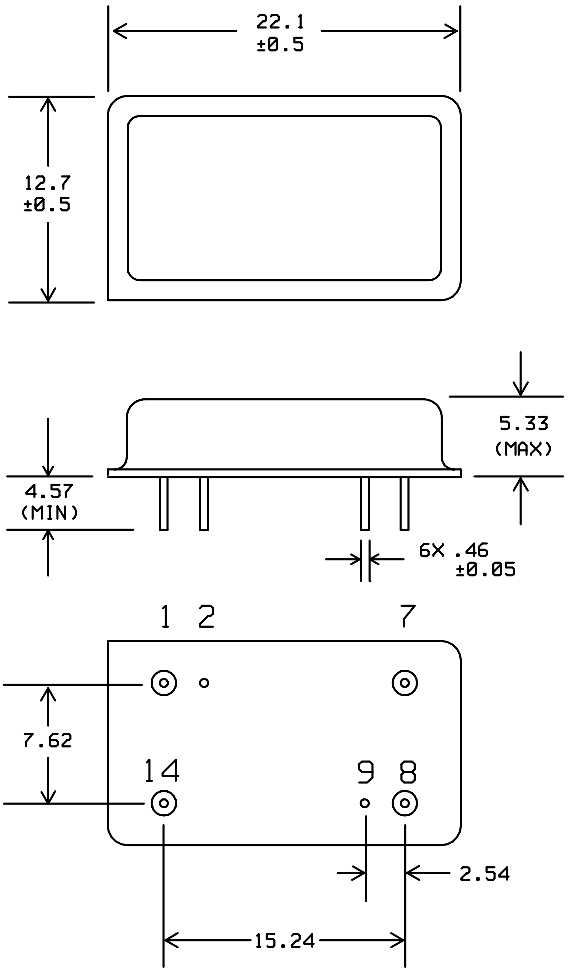
Parameter	Min	Max	Units
Storage Temperature Range	-40	85	˚C
Operating Temperature Range	0	80	˚C
Input Power Level	-	10	dBm

MATCHING CIRCUIT



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

PACKAGE OUTLINE



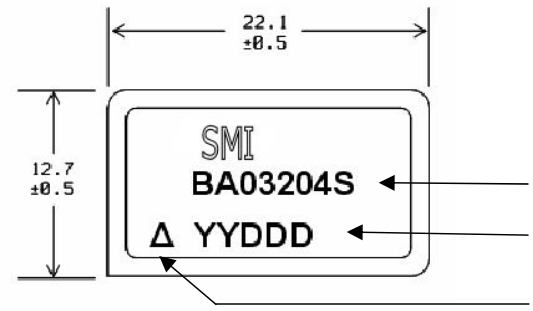
Units: mm

Tolerances are typically ±0.15 mm except where indicated.

Pin Configuration:

Input:	1
Output:	8
Ground:	All other pins

MARKING



Model Number

Date Code (YY=year, DDD=day)

Symbol denotes pin 1

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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