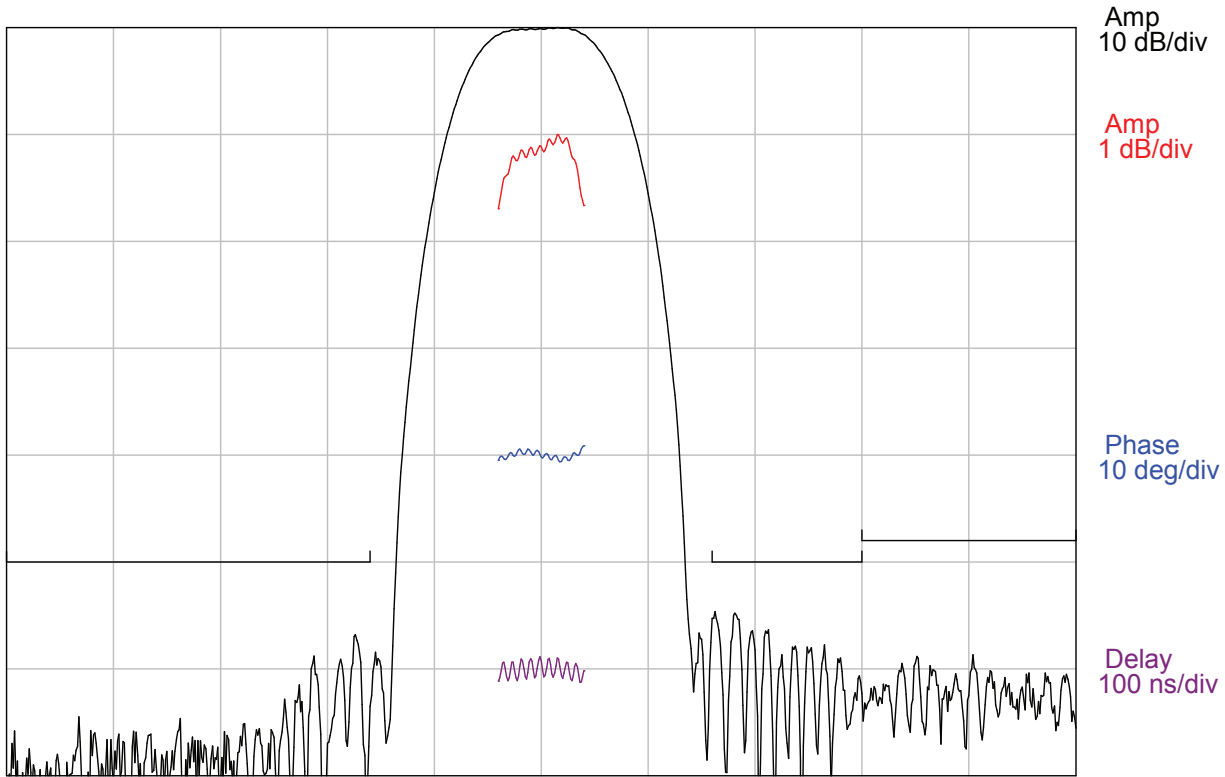


DESCRIPTION

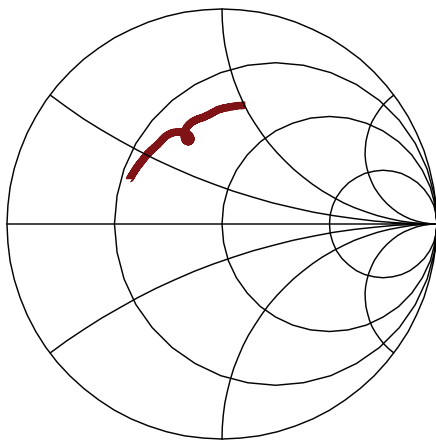
- 304 MHz SAW Bandpass Filter with 4 MHz bandwidth
- 23.6 x 13 mm 6-14 pin DIP package
- RoHS compliant

TYPICAL PERFORMANCE

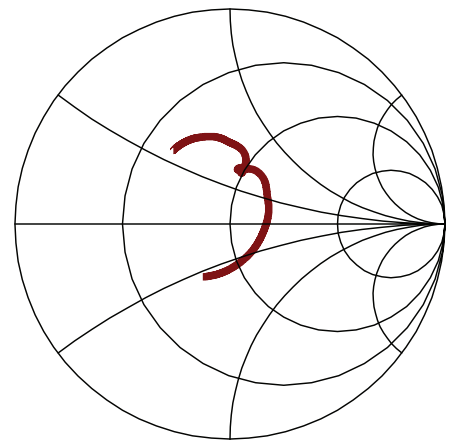


Center = 304 MHz, 5 MHz/div (62.5 kHz incr)

S11 (279-329 MHz)



S22 (279-329 MHz)



SPECIFICATION

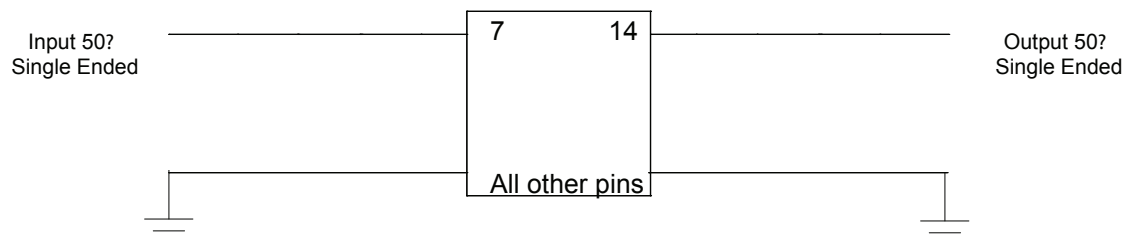
Parameter	Min	Typ	Max	Units
Center Frequency F_c ¹	-	304.00	-	MHz
Minimum Insertion Loss ²	-	20.7	25	dB
Lower 1 dB Bandedge	-	301.6	302	MHz
Upper 1 dB Bandedge	306	306.2	-	MHz
Lower 50 dB Bandedge	296	297.2	-	MHz
Upper 50 dB Bandedge	-	310.7	312	MHz
Amplitude Ripple ³	-	0.7	1	dB, p-p
Rejection (4 – 296 MHz) ²	50	52	-	dB
Rejection (312 – 319 MHz) ²	50	55	-	dB
Rejection (319 – 329 MHz) ²	48	50	-	dB
Rejection (329 – 540 MHz) ²	50	55	-	dB
Rejection (540 – 570 MHz) ²	45	47	-	dB
Rejection (570 – 804 MHz) ²	50	55	-	dB
Triple Travel Suppression	45	49	-	dB

- Notes:
1. Reference frequency. Computed as mean of the 3 dB frequencies.
 2. All dB levels are referenced to the insertion loss.
 3. Assessed over the 1 dB bandwidth

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-54	+85	°C
Input Power Level	-	10	dBm

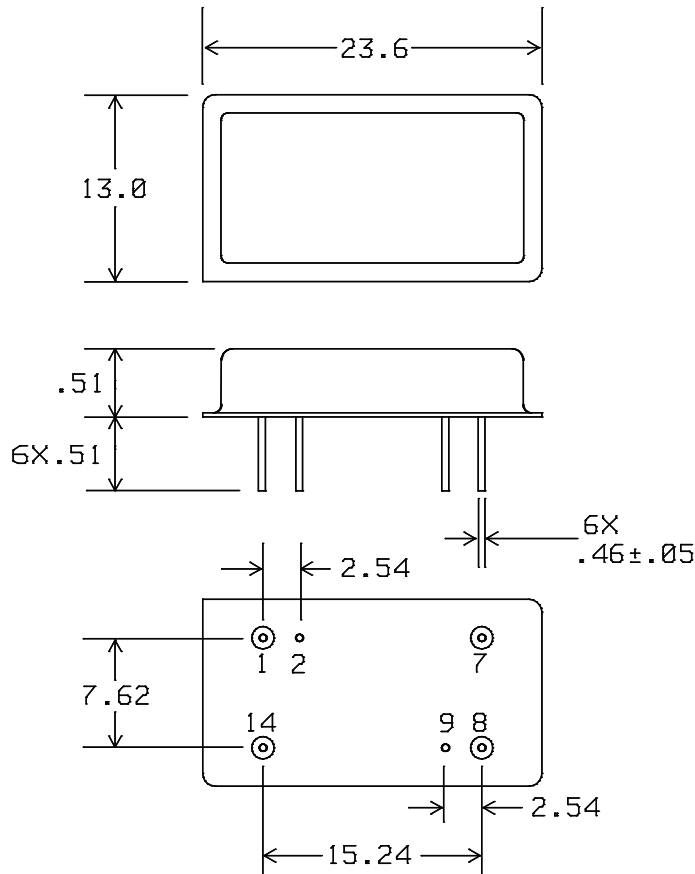
MATCHING CIRCUIT



Notes:

1. External matching components are not required.
2. Device operates in a 50 Ω single ended system.

PACKAGE OUTLINE



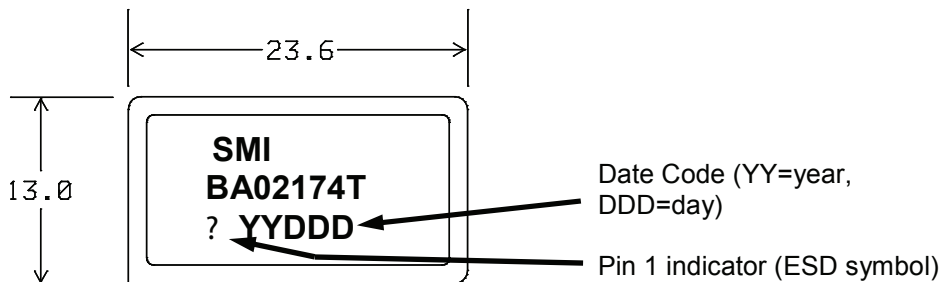
Units: mm

General tolerances are ±0.2 mm except where indicated.

Pad Configuration:

Input:	7
Input Return:	8
Output:	14
Output Return:	1
Case Ground:	2,9

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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