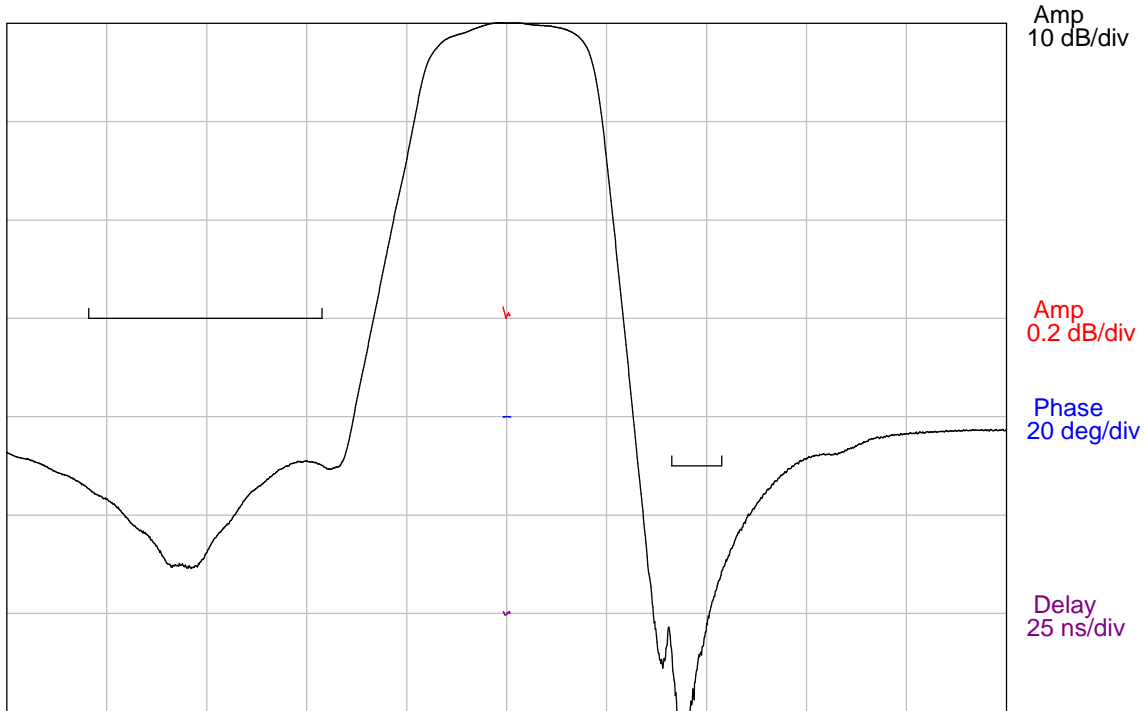


DESCRIPTION

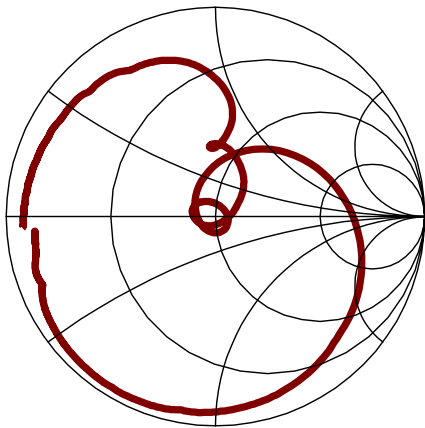
- 1575.42 MHz SAW bandpass filter with nominal 45 MHz bandwidth.
- 1.4 x 1.1 mm ceramic SMP, 5 pads.
- RoHS compliant.

TYPICAL PERFORMANCE

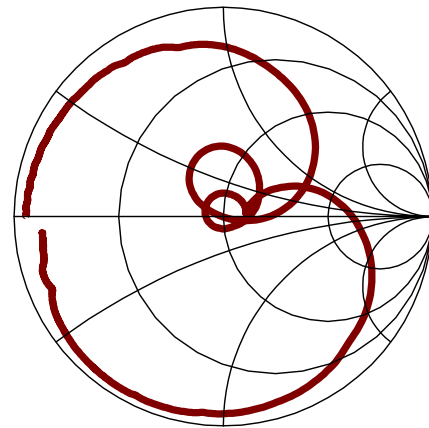


Center = 1575.42 MHz, 30 MHz/div (187.5 kHz incr)

S11 (1425.42-1725.42 MHz)



S22 (1425.42-1725.42 MHz)



SPECIFICATION

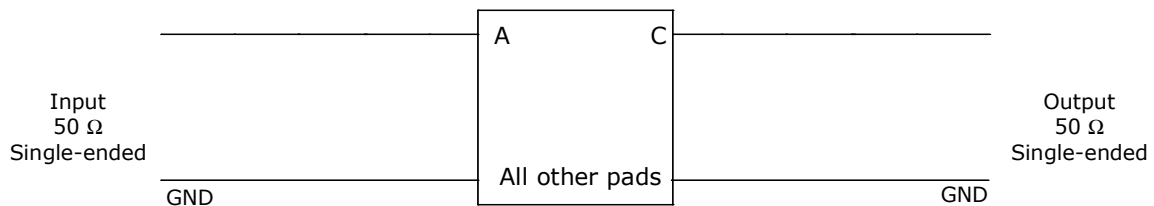
Parameter	Min	Typ	Max	Units
Center Frequency, F_c ¹	-	1575.4	-	MHz
Maximum Insertion Loss (1574.42-1576.42)	-	1.3	1.6	dB
Amplitude ripple (1574.42-1576.42 MHz)	-	0.1	0.75	dB p-p
2 dB Bandwidth	-	40	-	MHz
In/Out VSWR (1574.42~1576.42 MHz)	-	1.15	1.6	:1
Attenuation (0.3~1450 MHz) ²	35	38	-	dB
Attenuation (1450~1520 MHz) ²	30	45	-	dB
Attenuation (1625~1640 MHz) ²	45	48	-	dB
Attenuation (1640~1805 MHz) ²	38	40	-	dB
Attenuation (1805~1910 MHz) ²	38	40	-	dB
Attenuation (1910~2000 MHz) ²	38	43	-	dB
Attenuation (2000~4000 MHz) ²	30	45	-	dB
Attenuation (4000~6000 MHz) ²	20	22	-	dB
Source/Load Impedance	50			ohms
Ambient Temperature	25			°C

- Notes: 1. Defined as the average of the lower and upper 3 dB frequencies.
2. All dB levels are defined relative to the insertion loss.

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating Temperature Range	-40	85	°C
Input Power Level	-	15	dBm
DC Voltage	-	3	V

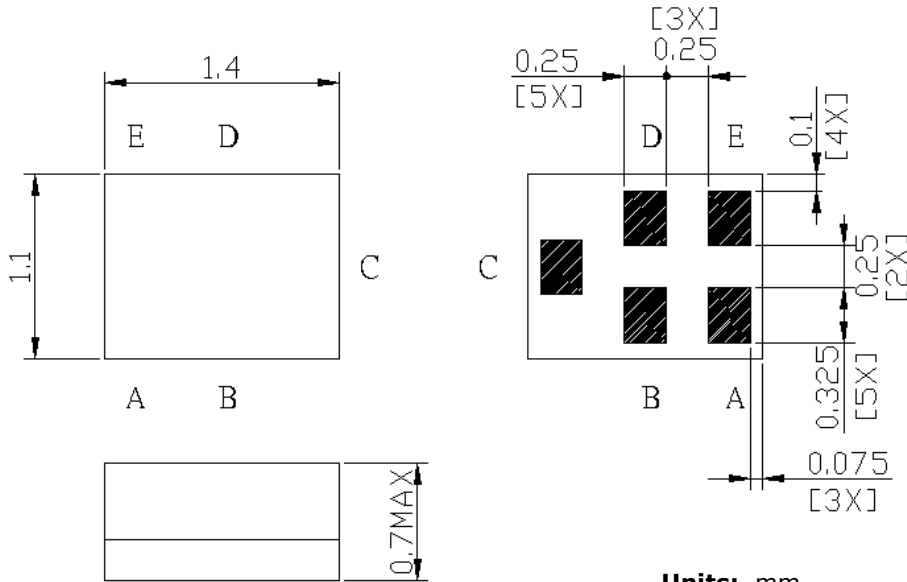
MATCHING CIRCUIT



Notes:

1. External matching components are not required.

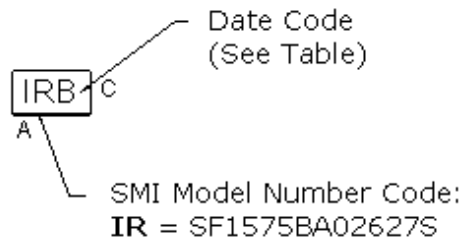
PACKAGE OUTLINE



Units: mm

Tolerances are typically ± 0.15 mm except where indicated.

MARKING



Pad Configuration:

Input: C
Output: A
To be grounded: all other pads

		MONTH											
YEAR		1	2	3	4	5	6	7	8	9	10	11	12
2008		a	b	c	d	e	f	g	h	j	k	l	m
2009		n	p	q	r	s	t	u	v	w	x	y	z
2010		A	B	C	D	E	F	G	H	J	K	L	M
2011		N	P	Q	R	S	T	U	V	W	X	Y	Z
2012		A	B	C	D	E	F	G	H	J	K	L	M

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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