



10F, NO. 510, SEC. 5, CHUNG HSIAO E. RD.,

TAIPEI, TAIWAN, R.O.C.

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兆福企業有限公司

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APPROVAL SHEET

CUSTOMER'S NAME : _____

MODEL NUMBER : S/F-1575M42-1411

1575.42M SMD

SPEC RECORD NUMBER : SPK-1041218-001

APPROVAL DATE : 2015-12-18

Confirmed Signature:

Authorized Signature:

1. Features

SAW filter for GPS.

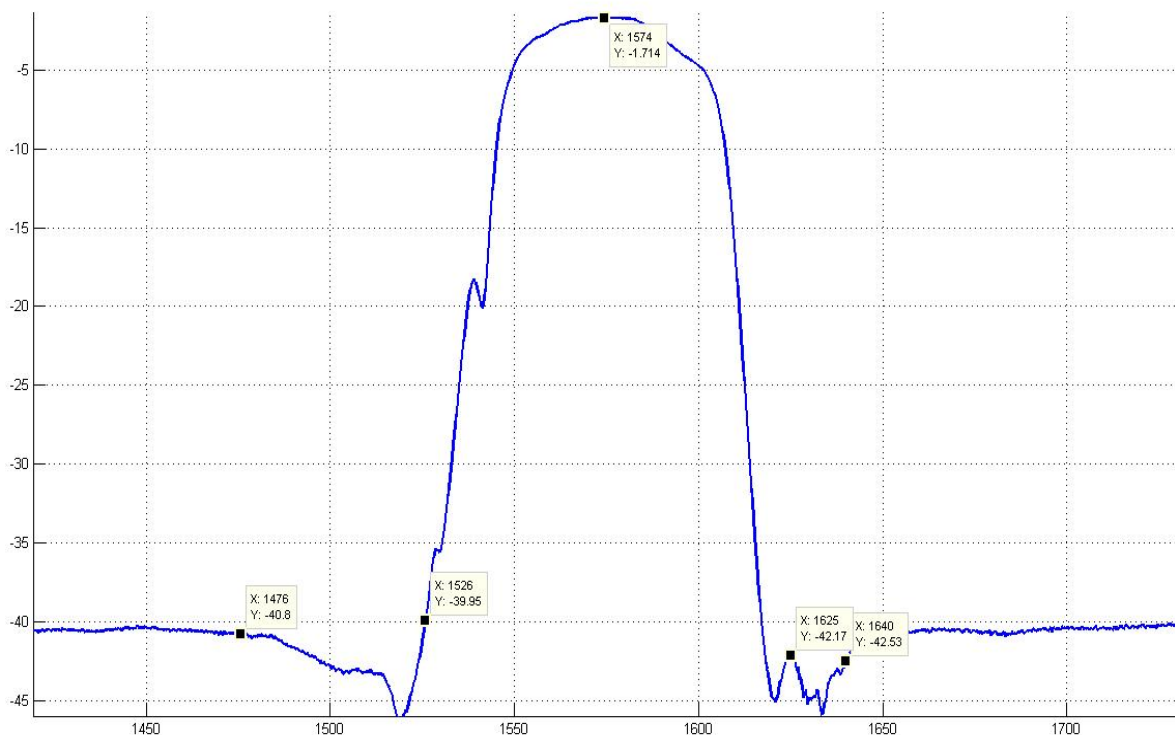
- High stability and reliability with good performance and no adjustment.
- Narrow and sharp pass band characteristics.
- Low insertion loss and deep stop band attenuation for interference.
- Low – loss SAW filter for GPS.

2. ELECTRICAL SPECIFICATION

Items	Rating	unit
Maximum Working Voltage	0	V _{dc}
Maximum Working Power	10	dBm
Operating Temperature Range	-40 ~ +85	°C
Storage Temperature Range	-50 ~ + 100	°C

Electronic Characteristics

2-1. Typical frequency response





2-2. Electrical characteristics

Items	Test Condition	Min	Typ	Max	Unit
Center Frequency	-	-	1575.42	-	MHz
Insertion Loss	$F0 \pm 1.2$ MHz	-	1.7	2.5	dB
Ripple Level	$F0 \pm 1.2$ MHz	-	0.15	1.0	dB
Attenuation	D.C~1476MHz	33	40	-	dB
	1476~1526MHz	28	40	-	dB
	1625~1640MHz	29	41	-	dB
	1640~1850MHz	35	40	-	dB
	1850~2000MHz	35	40	-	dB
	2000~3000MHz	30	-	-	dB
VSWR	1574.22~1576.62MHz	-	1.3	2.0	-
Input/Output Impedance	-	-	50	-	ohm

3. TEST CIRCUIT

Add: 10F,NO.510,SEC.5,CHUNG HSIAO E. RD, TAIPEI,TAIWAN

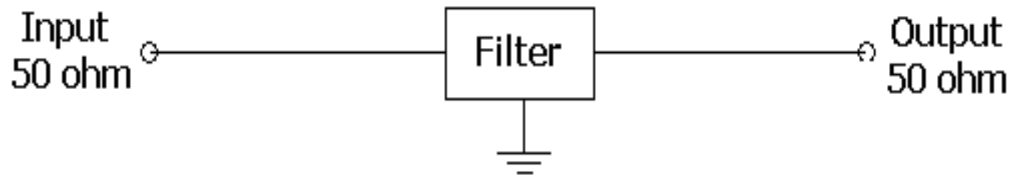
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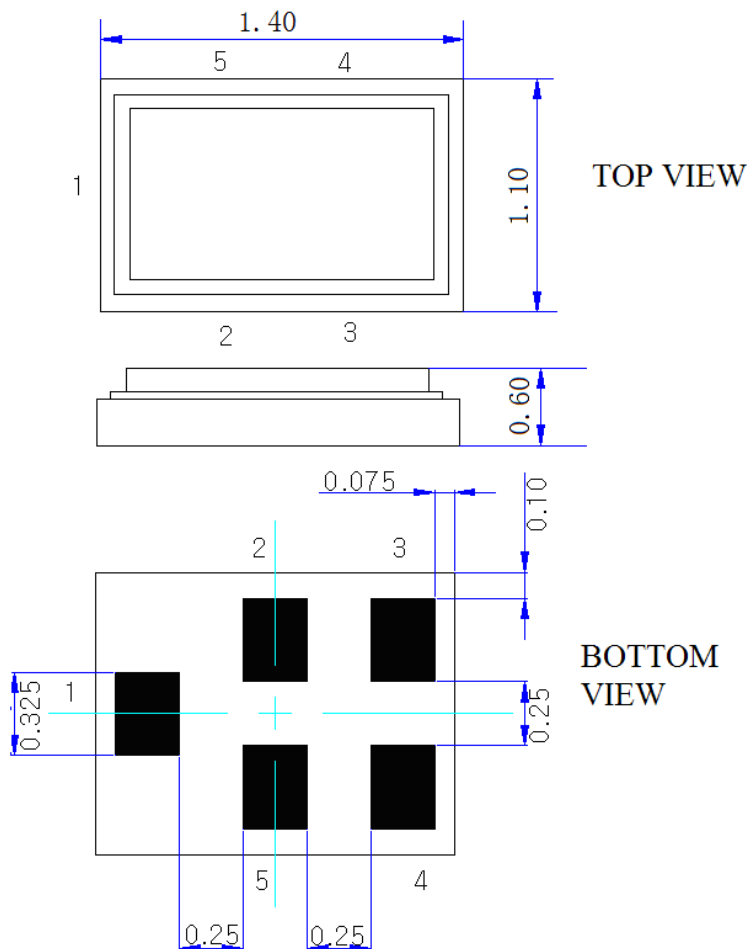
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SAW FILTER

SF1575M42-1411



4. DIMENSION



Pin configuration

- 1. Input
- 4. Output
- 2,3,5 To be grounded

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