

FCom SAW FILTER

Series FSF-5050-262M

8-SMD, No Lead 5.0x5.0 mm



Feature

- SMD package: 5.0 x 5.0 mm
- Specified passband: 260-264 MHz
- Operating temperature: -40 to +85°C
- Insertion loss: 1.8 dB typ.; 3.0 dB max.

Application

- VHF receiver filtering at 262 MHz
- RF front-end signal selection
- IF filtering in superheterodyne receivers

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	f _c	262.0			MHz	Absolute attenuation from 0 dB MHz: min./typ. dB 162-222: 40 / 47 222-251: 30 / 42 273-302: 15 / 35 302-362: 38 / 43
Insertion Loss	IL		1.8	3.0	dB	
3dB Bandwidth	BW3		-		MHz	
Amplitude Ripple (260~264 MHz)	-		0.7	2.0	dB	
Operating Temperature Range	T _A	-40		+85	°C	
Source impedance	50 Ω (test termination)					
Load impedance	50 Ω (test termination)					

! Insertion loss and ripple apply over the specified passband: 260-264 MHz.
3 dB bandwidth is not specified. Stopband attenuation is referenced to 0 dB.

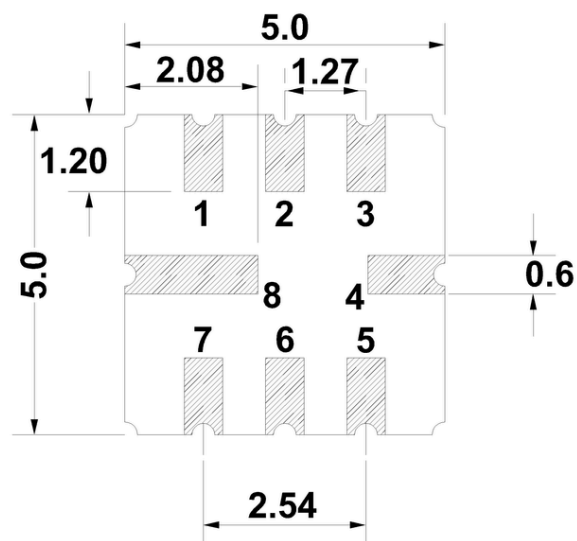
DIMENSION(mm)

TEST CONDITIONS & LIMITS

50 Ω source/load measurement circuit.
 No external matching components are shown.
 Maximum RF input power: 10 dBm.
 Maximum DC voltage: 3 V.
 Storage temperature: -40 to +85°C.

Pin No.	Description
2	Input/Output
6	Input/Output
1, 3, 5, 7	Ground
4, 8	Case Ground

Please contact FCom for other pin configurations.



FUJI CRYSTAL
PRECISELY ACCURATE

FCom SAW FILTER

Series FSF-5050-265M

8-SMD, No Lead 5.0x5.0 mm



Feature

- SMD package: 5.0 x 5.0 mm
- Specified passband: 261-269 MHz
- Operating temperature: -30 to +85°C
- Insertion loss: 2.0 dB typ.; 4.0 dB max.

Application

- VHF receiver filtering at 265 MHz
- RF front-end signal selection
- IF filtering in superheterodyne receivers

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	f _c	265.0			MHz	Absolute attenuation from 0 dB MHz: min./typ. dB 0.3-250: 35 / 54 290-650: 35 / 45
Insertion Loss	IL		2.0	4.0	dB	
3dB Bandwidth	BW3		-		MHz	
Amplitude Ripple (261~269 MHz)	-		1.8	2.2	dB	
Operating Temperature Range	T _A	-30		+85	°C	
Source impedance	50 Ω (test termination)					
Load impedance	50 Ω (test termination)					

! Insertion loss and ripple apply over the specified passband: 261-269 MHz.
3 dB bandwidth is not specified. Stopband attenuation is referenced to 0 dB.

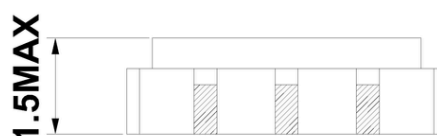
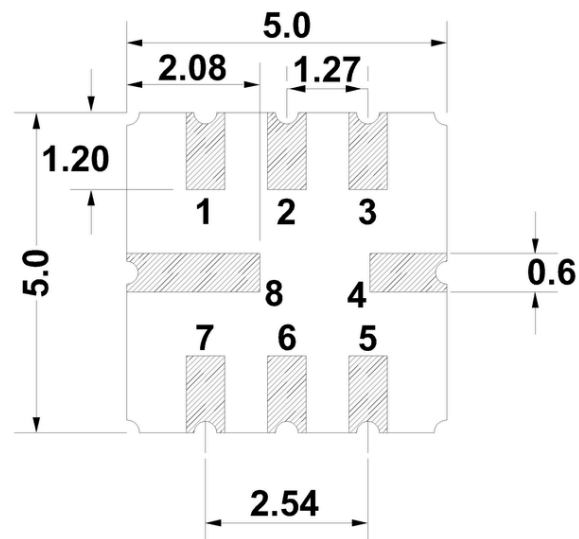
DIMENSION(mm)

TEST CONDITIONS & LIMITS

50 Ω source/load measurement circuit.
 No external matching components are shown.
 Maximum RF input power: 10 dBm.
 Maximum DC voltage: 5 V.
 Storage temperature: -55 to +85°C.

Pin No.	Description
2	Input/Output
6	Input/Output
1, 3, 5, 7	Ground
4, 8	Case Ground

Please contact FCom for other pin configurations.



FUJI CRYSTAL
PRECISELY ACCURATE

FCom SAW FILTER

Series FSF-5050-267M5

8-SMD, No Lead 5.0x5.0 mm



Feature

- SMD package: 5.0 x 5.0 mm
- Specified passband: 260-275 MHz
- Operating temperature: -10 to +50°C
- Insertion loss: 3.2 dB typ.; 5.0 dB max.

Application

- VHF receiver filtering at 267.5 MHz
- RF front-end signal selection
- IF filtering in superheterodyne receivers

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	f _c	267.5			MHz	Absolute attenuation from 0 dB MHz: min./typ. dB 192.5-240: 35 / 42 310-342.5: 40 / 47
Insertion Loss	IL		3.2	5.0	dB	
3dB Bandwidth	BW3		-		MHz	
Amplitude Ripple (260~275 MHz)	-		1.4	3.0	dB	
Operating Temperature Range	T _A	-10		+50	°C	
Input impedance	50 Ω // 0 pF (measurement model)					
Output impedance	50 Ω // 0 pF (measurement model)					

! Insertion loss and ripple apply over the specified passband: 260-275 MHz.
3 dB bandwidth is not specified. Stopband attenuation is referenced to 0 dB.

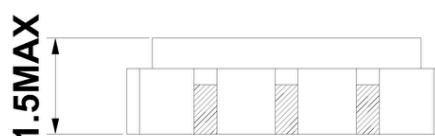
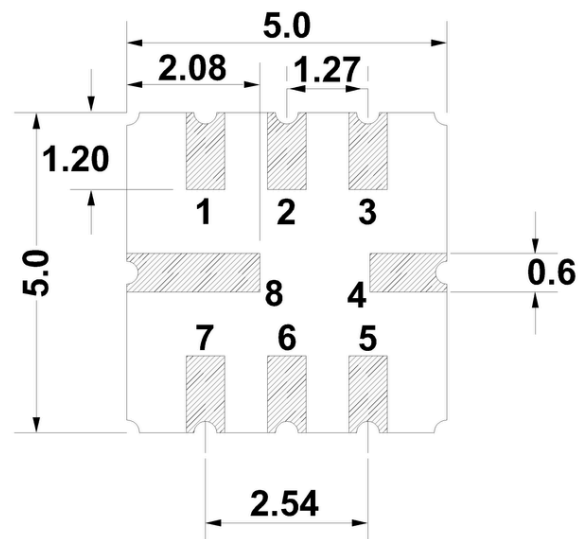
DIMENSION(mm)

TEST CONDITIONS & LIMITS

50 Ω source/load measurement circuit.
 Input/output model: 50 Ω in parallel with 0 pF.
 Maximum RF input power: 10 dBm.
 Maximum DC voltage: 5 V.
 Storage temperature: -40 to +85°C.

Pin No.	Description
2	Input/Output
6	Input/Output
1, 3, 5, 7	Ground
4, 8	Case Ground

Please contact FCom for other pin configurations.



FUJI CRYSTAL
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FCom SAW FILTER

Series FSF-5050-268M

8-SMD, No Lead 5.0x5.0 mm



Feature

- SMD package: 5.0 x 5.0 mm
- Specified passband: 266-270 MHz
- Operating temperature: -10 to +50°C
- Insertion loss: 1.75 dB typ.; 3.0 dB max.

Application

- VHF receiver filtering at 268 MHz
- RF front-end signal selection
- IF filtering in superheterodyne receivers

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	f _c	268.0			MHz	Absolute attenuation from 0 dB MHz: min./typ. dB 168-228: 40 / 47 228-257: 30 / 42 279-308: 15 / 35 308-368: 38 / 43
Insertion Loss	IL		1.75	3.0	dB	
3dB Bandwidth	BW3		-		MHz	
Amplitude Ripple (266~270 MHz)	-		0.75	2.0	dB	
Operating Temperature Range	T _A	-10		+50	°C	
Source impedance	50 Ω (test termination)					
Load impedance	50 Ω (test termination)					

! Insertion loss and ripple apply over the specified passband: 266-270 MHz.
3 dB bandwidth is not specified. Stopband attenuation is referenced to 0 dB.

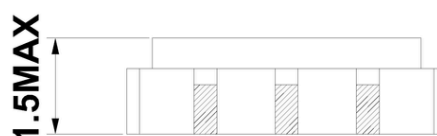
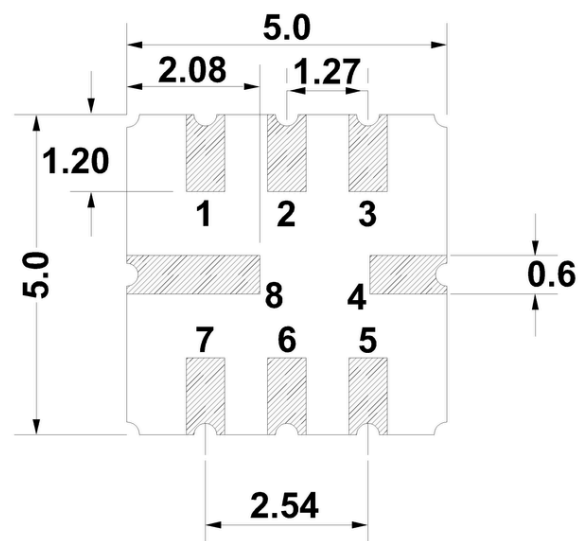
DIMENSION(mm)

TEST CONDITIONS & LIMITS

50 Ω source/load measurement circuit.
 No external matching components are shown.
 Maximum RF input power: 10 dBm.
 Maximum DC voltage: 3 V.
 Storage temperature: -40 to +85°C.

Pin No.	Description
2	Input/Output
6	Input/Output
1, 3, 5, 7	Ground
4, 8	Case Ground

Please contact FCom for other pin configurations.



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