

FCom SAW FILTER

Series FSF-5050-387M5

8-SMD, No Lead 5.0x5.0 mm



Feature

- Standard Package: 5.0*5.0*1.5mm
- 2 dB bandwidth: 7.5 MHz min.; 11 MHz typ.
- Operating temperature: -40 to +85°C
- RoHS and REACH Compliant , Pb-free

Application

RF bandpass filtering at 387.5 MHz
Receiver front-end signal selection
IF filtering where the passband is suitable

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	fC	-	387.5	-	MHz	3 dB bandwidth: Not specified.
Insertion Loss	IL	-	1.9	3.0	dB	
2 dB Bandwidth	BW2	7.5	11.0	-	MHz	
Amplitude Ripple (385-390 MHz)	-	-	0.5	2.0	dB	
Operating Temperature Range	TA	-40	-	+85	°C	
Test Source Impedance	50 ohms					
Test Load Impedance	50 ohms					

- ! Insertion loss and ripple apply over 385-390 MHz; attenuation is referenced to 0 dB.
- 50-ohm source/load test; direct connection with no external matching shown in the reference. Device input/output impedances are not specified. Ground pins 1, 3, 4, 5, 7 and 8 for testing. TA0964A/B shared limits used; TA0964B-only 475-476 MHz rejection is not assigned to this model.

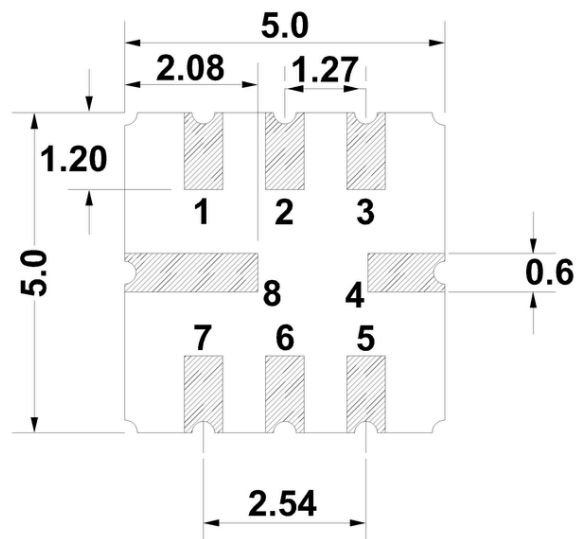
DIMENSION(mm)

Attenuation (absolute; reference: 0 dB)

Frequency (MHz)	Min.	Typ.	Unit
287.5-342.5	40	60	dB
432.5-442.5	35	58	dB
442.5-487.5	30	57	dB

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

Please contact FCom for other pin configurations.



FUJI CRYSTAL
PRECISELY ACCURATE

FCom SAW FILTER

Series FSF-5050-388M

8-SMD, No Lead 5.0x5.0 mm



Feature

- Standard Package: 5.0*5.0*1.5mm
- Specified passband: 386-390 MHz
- Operating temperature: -10 to +50°C
- RoHS and REACH Compliant , Pb-free

Application

- RF bandpass filtering at 388 MHz
- Receiver front-end signal selection
- IF filtering where the passband is suitable

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	fC	-	388	-	MHz	3 dB bandwidth: Not specified.
Insertion Loss	IL	-	1.8	3.0	dB	
Specified Passband	-	386-390			MHz	
Amplitude Ripple (386-390 MHz)	-	-	0.6	1.3	dB	
Operating Temperature Range	TA	-10	-	+50	°C	
Test Source Impedance	50 ohms					
Test Load Impedance	50 ohms					

- ! Insertion loss and ripple apply over 386-390 MHz; attenuation is referenced to 0 dB.
- 50-ohm source/load test; direct connection with no external matching shown in the reference. Device input/output impedances are not specified. Ground pins 1, 3, 4, 5, 7 and 8 for testing. Electrical data follow TA1346A Rev.1.0. Confirm FCom production limits before design release.

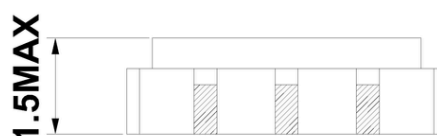
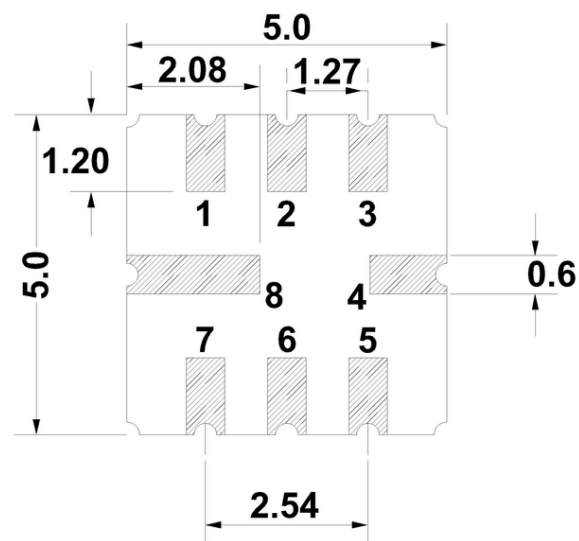
DIMENSION(mm)

Attenuation (absolute; reference: 0 dB)

Frequency (MHz)	Min.	Typ.	Unit
288-348	50	59	dB
348-376	45	53	dB
400-428	30	40	dB
428-488	40	45	dB

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

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FCom SAW FILTER

Series FSF-5050-388M5

8-SMD, No Lead 5.0x5.0 mm



Feature

- Standard Package: 5.0*5.0*1.5mm
- 2 dB bandwidth: 6.5 MHz typical
- Operating temperature: -55 to +85°C
- RoHS and REACH Compliant , Pb-free

Application

- RF bandpass filtering at 388.5 MHz
- Receiver front-end signal selection
- IF filtering where the passband is suitable

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	f _c	-	388.5	-	MHz	3 dB bandwidth: Not specified.
Insertion Loss	IL	-	1.4	3.0	dB	
2 dB Bandwidth	BW ₂	-	6.5	-	MHz	Passband VSWR: Typ. 2.0 Max. 2.2
Amplitude Ripple (386-389 MHz)	-	-	0.3	1.6	dB	
Operating Temperature Range	TA	-55	-	+85	°C	
Test Source Impedance	50 ohms					
Test Load Impedance	50 ohms					

- ! Insertion loss and ripple apply over 386-389 MHz; attenuation is referenced to 0 dB.
- 50-ohm source/load test; direct connection with no external matching shown in the reference. Device input/output impedances are not specified. Ground pins 1, 3, 4, 5, 7 and 8 for testing. Electrical data follow TA1678A Rev.1.0. Confirm FCom production limits before design release.

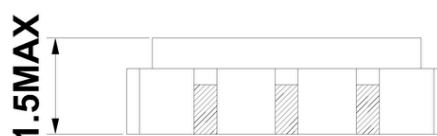
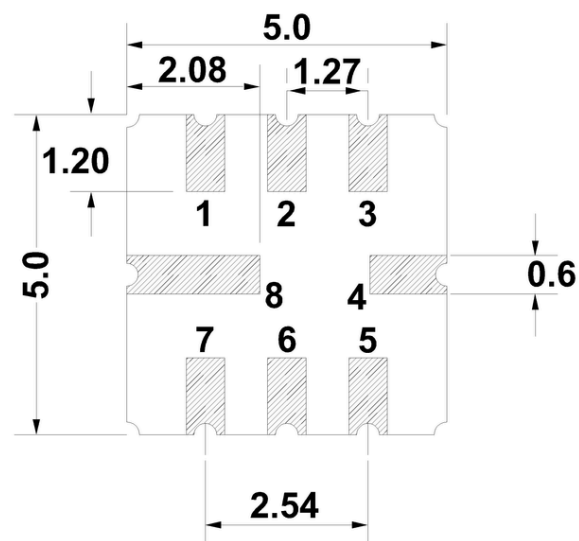
DIMENSION(mm)

Attenuation (absolute; reference: 0 dB)

Frequency (MHz)	Min.	Typ.	Unit
10-368	40	56	dB
418-600	40	50	dB

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

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