

FCom SAW FILTER

Series FSF-5050-390M

8-SMD, No Lead 5.0x5.0 mm



Feature

- Standard Package: 5.0*5.0*1.5mm
- 3 dB bandwidth: 0.5 MHz (FCom draft)
- Operating temperature: -20 to +70°C
- RoHS and REACH Compliant , Pb-free

Application

- RF bandpass filtering at 390 MHz
- Receiver front-end signal selection
- IF filtering where the passband is suitable

390 MHz electrical data: reference verification pending

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	fC	-	390	-	MHz	FCom draft values only.
Insertion Loss	IL	-	1.7	3.0	dB	
3 dB Bandwidth	BW3	-	0.5	-	MHz	Reference verification pending.
Amplitude Ripple (not specified)	-	-	-	-	dB	
Operating Temperature Range	TA	-20	-	+70	°C	
Input Impedance	Not specified					
Output Impedance	Not specified					

- ! Electrical values are retained from the supplied FCom draft; they are not reference-verified.
- Supplied TB0376A Rev.3.0 describes a 240 MHz, 7 x 5 mm device and is not applicable here. Attenuation, ripple, passband limits, test impedances and matching conditions remain unverified. A matching 390 MHz reference is required before this page can be released as a verified datasheet.

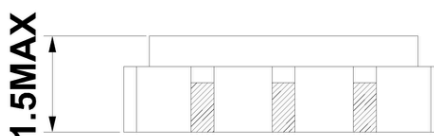
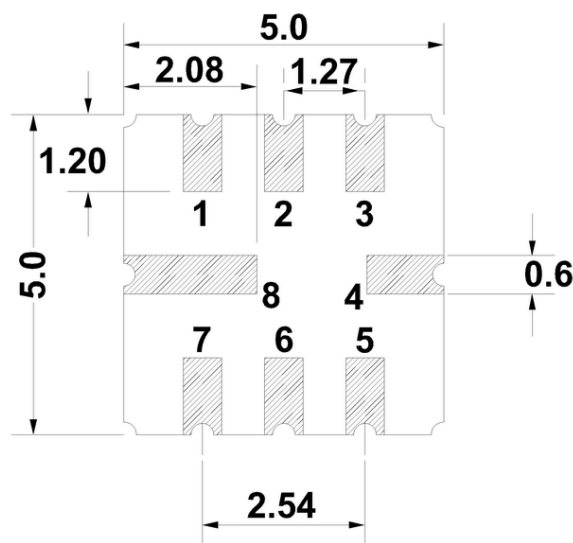
DIMENSION(mm)

Reference required for 390 MHz

No parameters from the mismatched 240 MHz reference have been used.

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-5050-391M

8-SMD, No Lead 5.0x5.0 mm



Feature

- Standard Package: 5.0*5.0*1.5mm
- Specified passband: 387-395 MHz
- Operating temperature: -30 to +85°C
- RoHS and REACH Compliant , Pb-free

Application

- RF bandpass filtering at 391 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	-	391	-	MHz	3 dB bandwidth: Not specified.
Insertion Loss	IL	-	2.0	4.0	dB	
Specified Passband	-	387-395			MHz	
Amplitude Ripple (387-395 MHz)	-	-	0.3	2.0	dB	
Operating Temperature Range	TA	-30	-	+85	°C	
Test Source Impedance	50 ohms					
Test Load Impedance	50 ohms					

- ! Insertion loss and ripple apply over 387-395 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 TA1486A Rev.1.0. Confirm FCom production limits before design release.

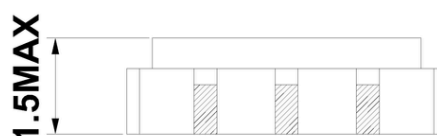
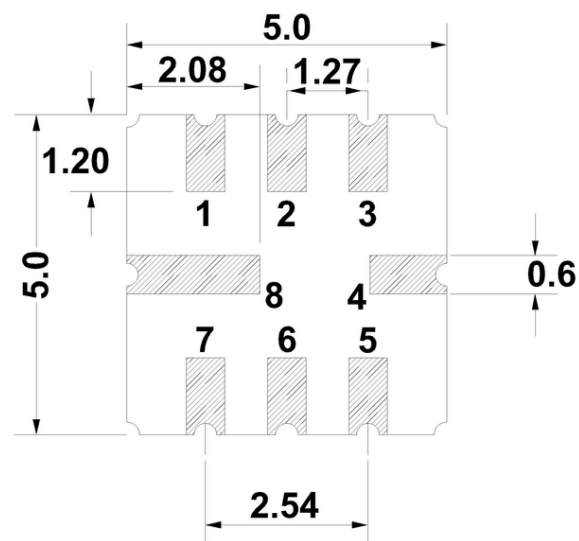
DIMENSION(mm)

Attenuation (absolute; reference: 0 dB)

Frequency (MHz)	Min.	Typ.	Unit
0.3-370	35	50	dB
430-700	35	49	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.



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FCOM SAW FILTER

Series FSF-5050-394M

8-SMD, No Lead 5.0x5.0 mm



Feature

- Standard Package: 5.0*5.0*1.5mm
- Specified passband: 392-396 MHz
- Operating temperature: -10 to +50°C
- RoHS and REACH Compliant , Pb-free

Application

- RF bandpass filtering at 394 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	-	394	-	MHz	3 dB bandwidth: Not specified.
Insertion Loss	IL	-	1.7	3.0	dB	
Specified Passband	-	392-396			MHz	
Amplitude Ripple (392-396 MHz)	-	-	0.4	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 392-396 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.
Ripple unit: dB per FCom source; TA0559A Rev.2.0 prints MHz (unit discrepancy).

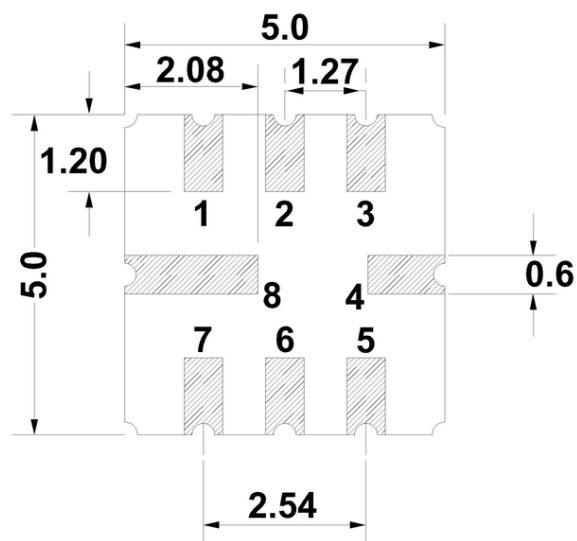
DIMENSION(mm)

Attenuation (absolute; reference: 0 dB)

Frequency (MHz)	Min.	Typ.	Unit
294-354	53	61	dB
354-382	48	52	dB
406-434	35	40	dB
434-494	50	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.



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