

FCom SAW FILTER

Series FSF-5050-220M

8-SMD, No Lead 5.0x5.0 mm



Feature

- SMD package: 5.0 x 5.0 mm
- Specified passband: 218-222 MHz
- Operating temperature: -40 to +85°C
- Insertion loss: 2.8 dB typ.; 4.2 dB max.

Application

- VHF receiver filtering at 220 MHz
- RF front-end signal selection
- IF filtering in superheterodyne receivers

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	f _c	220.0			MHz	Attenuation from 0 dB MHz: min./typ. dB 120-180: 42 / 58 260-320: 42 / 57
Insertion Loss	IL		2.8	4.2	dB	
3dB Bandwidth	BW3		-		MHz	
Amplitude Ripple(218~222 MHz)	-		1.0	2.2	dB	
Operating Temperature Range	T _A	-40		+85	°C	
Source impedance	50 Ω // 0 pF (test termination)					
Load impedance	50 Ω // 0 pF (test termination)					

! Insertion loss and ripple apply over 218-222 MHz (4 MHz specified passband).
3 dB bandwidth is not specified. Attenuation is referenced to 0 dB.

DIMENSION(mm)

TEST CONDITIONS & LIMITS

Input/output model: 50 Ω in parallel with 0 pF.

Test source/load: 50 Ω .

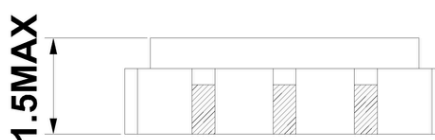
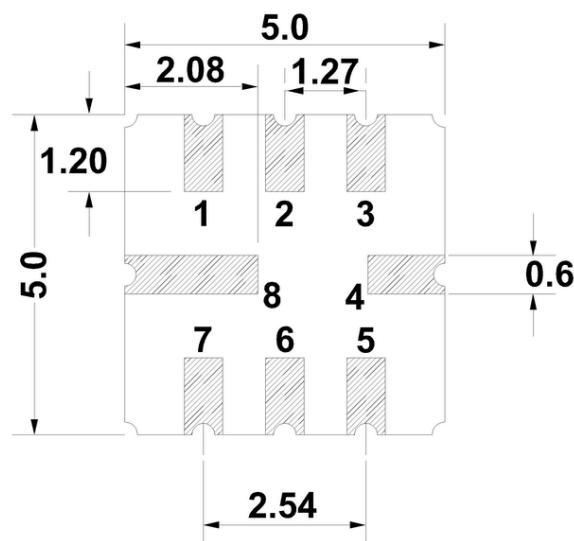
Maximum input power: 10 dBm.

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.

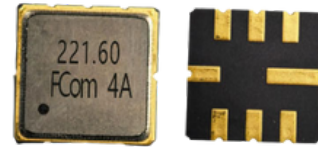


FUJI CRYSTAL
PRECISELY ACCURATE

FCom SAW FILTER

Series FSF-5050-221M6

8-SMD, No Lead 5.0x5.0 mm



Feature

- SMD package: 5.0 x 5.0 mm
- 3 dB bandwidth: 7 MHz min.; 10 MHz typ.
- Operating temperature: -40 to +85°C
- Minimum IL: 1.95 dB typ.; 3.0 dB max.

Application

- VHF receiver filtering at 221.6 MHz
- RF front-end signal selection
- IF filtering in superheterodyne receivers

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	f _c	221.6			MHz	Attenuation relative to ILmin MHz: min./typ. dB 10-186.6: 38 / 43 256.6-500: 38 / 50
Minimum insertion loss	ILmin		1.95	3.0	dB	
3dB Bandwidth	BW3	7.0	10		MHz	
Amplitude Ripple (218.1~225.1 MHz)	-		1.1	2.2	dB	
Operating Temperature Range	T _A	-40		+85	°C	
Source impedance	50 Ω (test termination)					
Load impedance	50 Ω (test termination)					

! ILmin is the minimum passband attenuation. Ripple applies over 218.1-225.1 MHz. 3 dB bandwidth and stopband attenuation are referenced to ILmin.

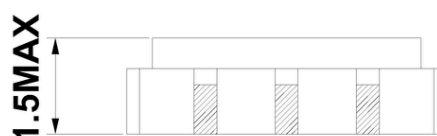
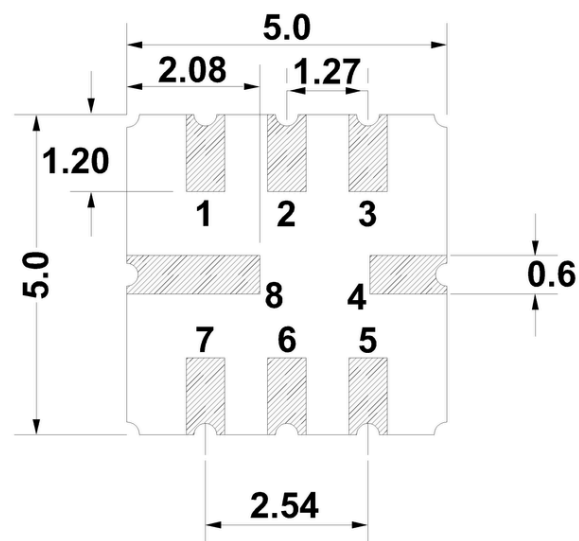
DIMENSION(mm)

TEST CONDITIONS & LIMITS

50 Ω source/load; direct test connection.
 f_c : midpoint of the 3 dB edges relative to ILmin.
 Input power rating: confirm ordered variant.
 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.



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