

FCom SAW FILTER

Series FSF-5050-218M5

8-SMD, No Lead 5.0x5.0 mm



Feature

- SMD package: 5.0 x 5.0 mm
- Specified passband: 218-219 MHz
- Operating temperature: -40 to +85°C
- Insertion loss: 1.6 dB typ.; 2.8 dB max.

Application

- VHF receiver filtering at 218.5 MHz
- RF front-end signal selection
- IF filtering in superheterodyne receivers

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	f _c	218.5			MHz	Attenuation from 0 dB MHz: min./typ. dB 168.5-200: 50 / 57 200-210: 40 / 46 235-245: 40 / 44 245-268.5: 50 / 60
Insertion Loss	IL		1.6	2.8	dB	
3dB Bandwidth	BW3		-		MHz	
Amplitude Ripple(218~219 MHz)	-		0.3	1.6	dB	
Operating Temperature Range	T _A	-40		+85	°C	
Source impedance	50 Ω (test termination)					
Load impedance	50 Ω (test termination)					

! IL, ripple and VSWR apply over 218-219 MHz (1 MHz specified passband).
 3 dB bandwidth is not specified. Attenuation is referenced to 0 dB.

DIMENSION(mm)

TEST CONDITIONS & LIMITS

50 Ω source/load; direct test connection.

VSWR (218-219 MHz): 1.3 typ.; 2.2 max.

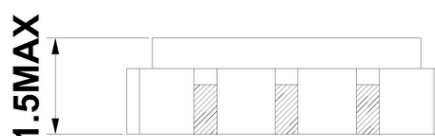
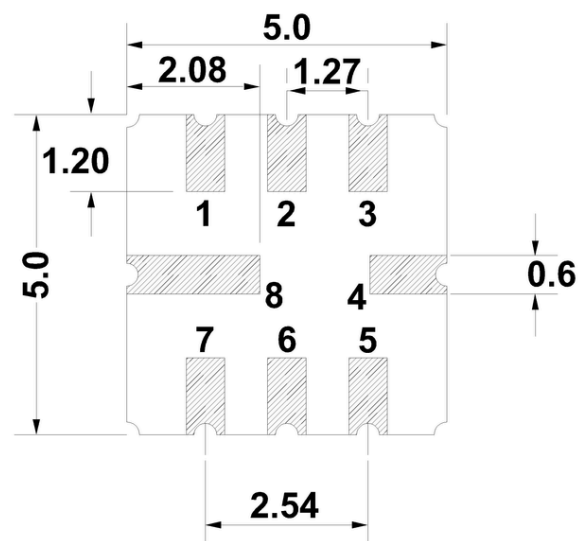
Frequency temperature coefficient: -36 ppm/K typ.

Maximum input: 10 dBm; 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-5050-219M5

8-SMD, No Lead 5.0x5.0 mm



Feature

- SMD package: 5.0 x 5.0 mm
- 3 dB bandwidth: 10 MHz typ.
- Operating temperature: -40 to +85°C
- Insertion loss: 2.0 dB typ.; 3.0 dB max.

Application

- VHF receiver filtering at 219.5 MHz
- RF front-end signal selection
- IF filtering in superheterodyne receivers

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	f _c	219.5			MHz	Attenuation from 0 dB MHz: min./typ. dB 10-184.5: 38 / 59 254.5-500: 38 / 56
Insertion Loss	IL		2.0	3.0	dB	
3dB Bandwidth	BW3		10		MHz	
Amplitude Ripple(217.6~222 MHz)	-		0.4	1.8	dB	
Operating Temperature Range	T _A	-40		+85	°C	
Source impedance	50 Ω (test termination)					
Load impedance	50 Ω (test termination)					

! Insertion loss and amplitude ripple apply over 217.6-222 MHz.
 Attenuation is referenced to 0 dB. 50 Ω denotes source/load test termination.

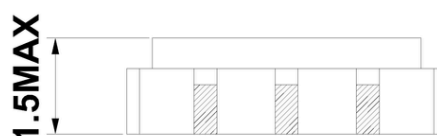
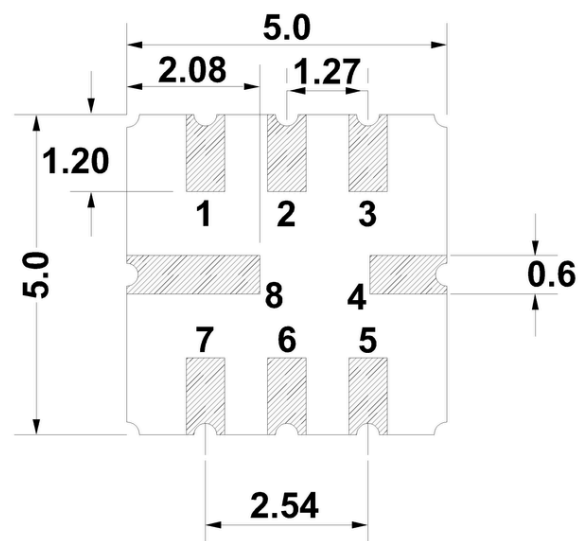
DIMENSION(mm)

TEST CONDITIONS & LIMITS

50 Ω source/load; direct test connection.
 Specified IL/ripple passband: 217.6-222 MHz.
 Frequency temperature coefficient: -80 ppm/°C typ.
 Maximum input: 15 dBm; 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

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