

FCom SAW FILTER

Series FSF-5050-200M

8-SMD, No Lead 5.0x5.0 mm



Feature

- SMD package: 5.0 x 5.0 mm
- 1 dB bandwidth: 150 kHz min.; 390 kHz typ.
- Operating temperature: -20 to +70°C
- Insertion loss: 2.0 dB typ.; 3.5 dB max.

Application

- Narrowband receiver filtering at 200 MHz
- IF channel selection in superheterodyne receivers
- RF/IF signal conditioning in measurement systems

ELECTRICAL SPECIFICATIONS

Characteristics		Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency		f _c	200.00			MHz	Attenuation relative to ILmin MHz: min./typ. dB 10-165: 50 / 60 165-195: 33 / 40 195-199: 15 / 22 201-215.5: 10 / 25 215.5-325.5: 39 / 46 325.5-1000: 50 / 55
Minimum insertion loss		IL		2.0	3.5	dB	
1dB Bandwidth		BW1	150	390		kHz	
3dB Bandwidth		BW3		469		kHz	
Passband (relative to ILmin)	199.925-200.075 MHz	-		0.5	1.5	dB	
Operating Temperature Range		T _A	-20		+70	°C	
Source impedance		50 Ω (test termination)					
Load impedance		50 Ω (test termination)					

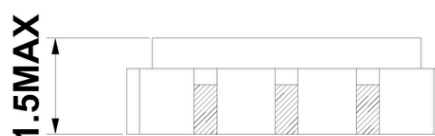
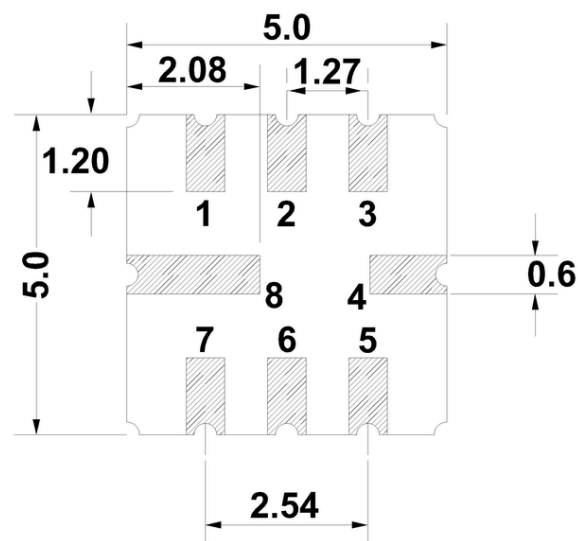
! Insertion loss includes matching-component loss. Passband and stopband values are relative to ILmin. 50 Ω denotes source/load termination; external matching is required.

DIMENSION(mm)

MATCHING & LIMITS
Each port: 220 nH series L, 0.2 pF shunt C at filter.
Reference components: Coilcraft 0805 CS inductors;
Murata 0402 GRM capacitors.
Maximum input: 10 dBm; DC voltage: 0 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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PRECISELY ACCURATE