

FCom SAW FILTER

Series FSF-5050-1000M

8-SMD, No Lead 5.0x5.0 mm



Feature

- Package footprint: 5.0 x 5.0 mm
- 3 dB bandwidth: 2.0 MHz typical
- Operating temperature range: -30°C to +70°C
- RoHS and REACH Compliant , Pb-free

Application

- 1000 MHz RF bandpass filtering
- Balanced RF signal selection
- Receiver preselector
- Test & measurement filtering

TEST CONDITIONS AND MATCHING

50-ohm balanced test ports. Shunt 22 nH across pins 1-2 and across pins 5-6.

Minimum insertion loss includes matching-element loss. Reference inductors: Coilcraft CS, 0805.

Specified passband: 999.600-1000.400 MHz; passband limits are relative to ILmin.

Reference: TA1483A Rev.1.0. Device impedance and amplitude ripple are not separately specified.

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	fC	-	1000	-	MHz	ILmin includes matching loss. Amplitude ripple: Not separately specified. Passband loss relative to ILmin is not a separate ripple specification.
Minimum Insertion Loss	ILmin	-	3.2	5.0	dB	
3 dB Bandwidth	BW3	1.5	2.0	-	MHz	
Amplitude Ripple	-	-	-	-	dB	
Storage Temperature	Tstg	-40	-	+85	°C	
Input Impedance	Not specified					
Output Impedance	Not specified					

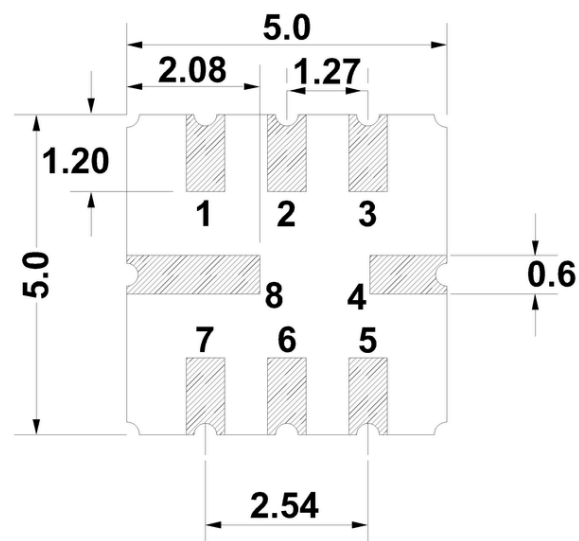
⚠ Typical values are provided for design guidance only. Final production specifications and tolerances are defined in the official test limits and shipment CoC.

DIMENSION(mm)

FCom mechanical template retained.
 Reference height: 1.7 mm max; template: 1.5 mm max.
 Pin functions follow the TA1483A outline:
 1, 2: balanced input; 5, 6: balanced output.
 3, 4, 7, 8: ground.
 Each 22 nH inductor bridges a balanced port pair.
 Confirm package dimensions before PCB layout.

Pin No.	Description
1, 2	Balanced Input
5, 6	Balanced Output
3, 7	Ground
4, 8	Ground

Please contact FCom for other pin configurations.



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PRECISELY ACCURATE