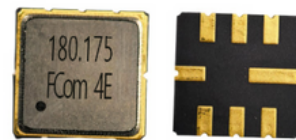


FCom SAW FILTER

Series FSF-5050-180M175

8-pad SMD package, 5.0 x 5.0 mm



Features

- Package: 5.0 x 5.0 mm, H 1.5 mm max.
- 3 dB bandwidth: 8.9 MHz typical
- Operating temperature: -40 to +85 °C
- RoHS and REACH compliant, lead-free

Applications

- 180.175 MHz RF/IF bandpass filtering in receiver signal chains
- VHF receivers and monitoring equipment
- Telemetry and remote-monitoring receiver modules using a 180.175 MHz filtering stage
- RF front-end filter modules

ELECTRICAL SPECIFICATIONS

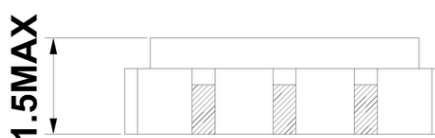
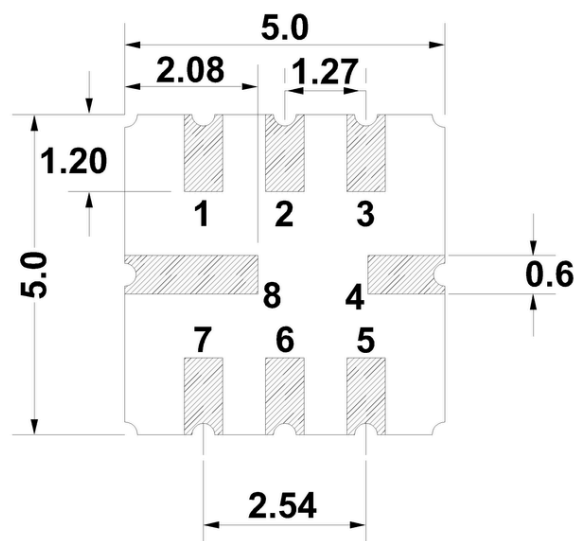
Characteristics		Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency		f _c	180.175			MHz	IL is ILmin Attenuation relative to ILmin Offsets in MHz fc-30 to fc-15 36 / 52 dB fc+30 to fc+100 42 / 46 dB Min. / Typ. Ripple not specified
Insertion Loss		IL		1.55	2.8	dB	
3dB Bandwidth		BW3	6.0	8.9		MHz	
Relative Attenuation	fc-50 to fc-30	MHz	42	55		dB	
Operating Temperature Range		T _A	-40		+85	°C	
Source Impedance		50 ohm					
Load Impedance		50 ohm					

- ! Electrical specifications apply with 50 ohm source and load terminations.
 • Please contact FCom for matching requirements and application support.

DIMENSION(mm)

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.

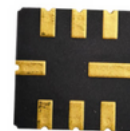


FUJI CRYSTAL
PRECISELY ACCURATE

FCom SAW FILTER

Series FSF-5050-184M

8-pad SMD package, 5.0 x 5.0 mm



Features

- Package: 5.0 x 5.0 mm, H 1.5 mm max.
- 3 dB bandwidth: 9.0 MHz typical
- Operating temperature: -40 to +85 °C
- RoHS and REACH compliant, lead-free

Applications

- 184 MHz receiver RF filtering
- VHF receiver preselection
- Telemetry receiver modules
- IF filtering in superheterodyne receivers using a 184 MHz IF

ELECTRICAL SPECIFICATIONS

Characteristics		Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency		f_c		184.0		MHz	IL is ILmin Attenuation relative to ILmin Offsets in MHz fc-30 to fc-15 36 / 52 dB fc+30 to fc+50 42 / 51 dB Min. / Typ. Ripple not specified
Insertion Loss		IL		1.6	2.8	dB	
3dB Bandwidth		BW3	6.0	9.0		MHz	
Relative Attenuation	fc-50 to fc-30	MHz	42	54		dB	
Operating Temperature Range		T_A	-40		+85	°C	
Source Impedance		50 ohm					
Load Impedance		50 ohm					

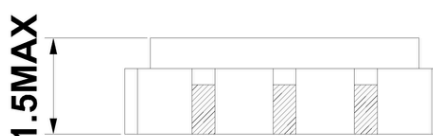
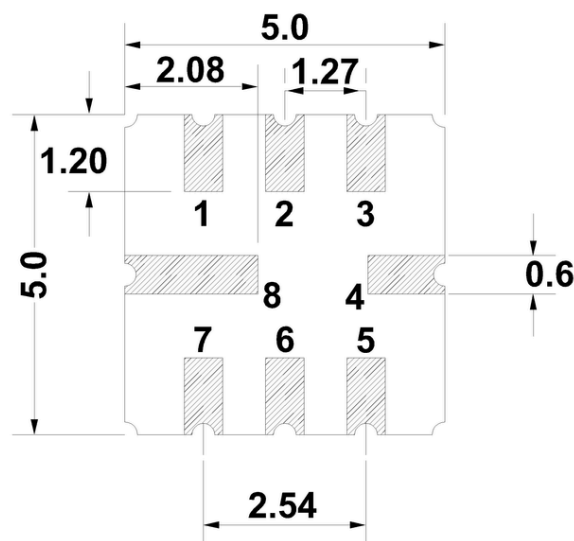
! Electrical specifications apply with 50 ohm source and load terminations.

• Please contact FCom for matching requirements and application support.

DIMENSION(mm)

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-5050-188M175

8-pad SMD package, 5.0 x 5.0 mm



Features

- Package: 5.0 x 5.0 mm, H 1.5 mm max.
- 3 dB bandwidth: 8.9 MHz typical
- Operating temperature: -25 to +85 °C
- RoHS and REACH compliant, lead-free

Applications

- 188.175 MHz receiver RF and intermediate-frequency filtering
- VHF receiver front ends and preselection stages
- Telemetry and remote-monitoring receiver modules
- Wireless receiver signal chains using a 188.175 MHz filter

ELECTRICAL SPECIFICATIONS

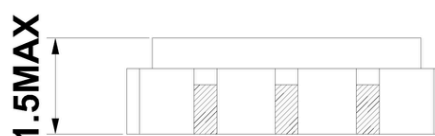
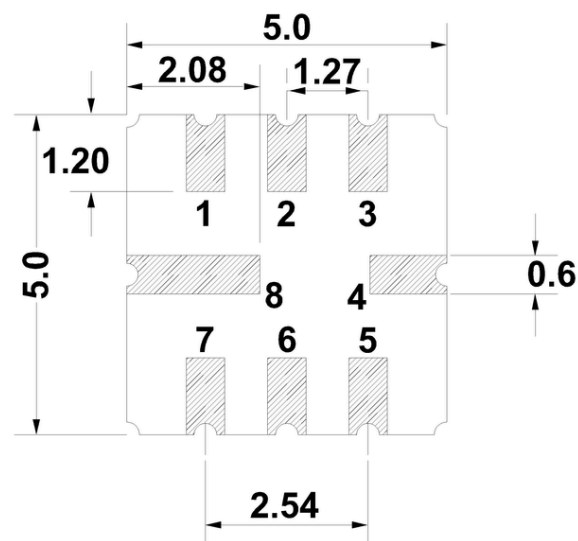
Characteristics		Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency		f _c	188.175			MHz	IL is ILmin Attenuation relative to ILmin Offsets in MHz fc-30 to fc-15 36 / 52 dB fc+30 to fc+100 42 / 46 dB Min. / Typ. Ripple not specified
Insertion Loss		IL		1.62	2.8	dB	
3dB Bandwidth		BW3	6.0	8.9		MHz	
Relative Attenuation	fc-50 to fc-30	MHz	42	55		dB	
Operating Temperature Range		T _A	-25		+85	°C	
Source Impedance		50 ohm					
Load Impedance		50 ohm					

- ! Electrical specifications apply with 50 ohm source and load terminations.
 • Please contact FCom for matching requirements and application support.

DIMENSION(mm)

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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