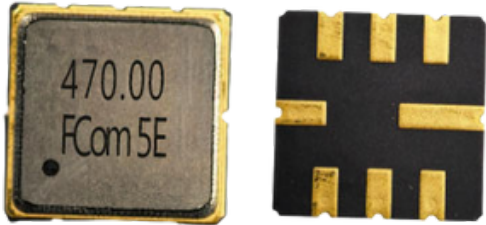


FCom SAW FILTER

Series FSF-5050-470M

8-SMD, No Lead 5.0x5.0 mm



 Feature

- Package: 5.0 × 5.0 mm; height: 1.5 mm max.
- Specified passband: 468-472 MHz
- Operating temperature: -10 to +50°C

 Application

- RF signal selection at 470 MHz
- Receiver front-end bandpass filtering
- UHF band selection in custom RF designs

 ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	f _c	470.0			MHz	
Insertion Loss	IL			4.0	dB	
3dB Bandwidth	BW3		-		MHz	
Ripple(Within Fc ± 2MHz)	-			2.0	dB	
Storage Temperature	Tstg	-40		+85	°C	
Input Impedance	50 Ω 0 pF at fC					
Output Impedance	50 Ω 0 pF at fC					

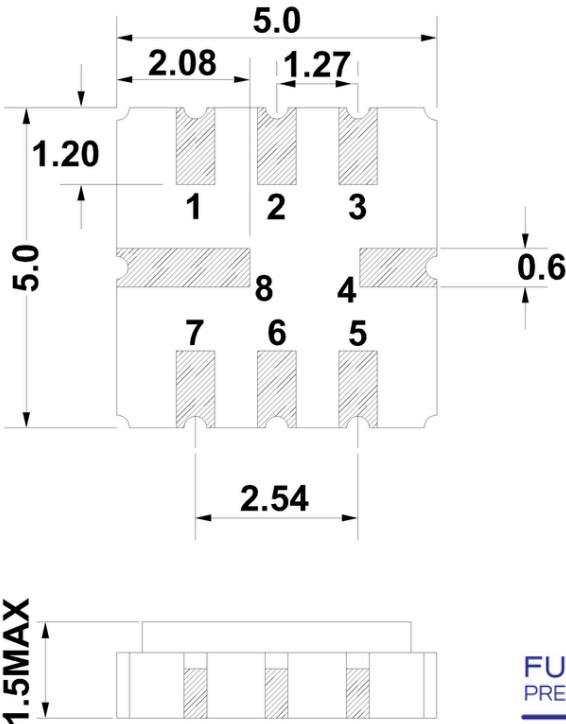
 Typical values are provided for design guidance only. Final production specifications and tolerances are defined in the official test limits and shipment CoC.

 DIMENSION(mm)

IL and ripple apply over 468-472 MHz (fC ±2 MHz).
A 3 dB bandwidth value is not provided.
Device impedances at fC: 50 Ω in parallel with 0 pF.
Test ports: 50 Ω. Circuit shows 50 Ω series resistors and shunt L / adjustable C at each port; L and C values are not provided. Contact FCom for matching.
Electrical definitions follow JIS C 6703.

Pin No.	Description
2	Input/Output
6	Input/Output
1, 3, 5,7	To Be Ground
4, 8	Case Ground

Please contact FCom for other pin configurations.

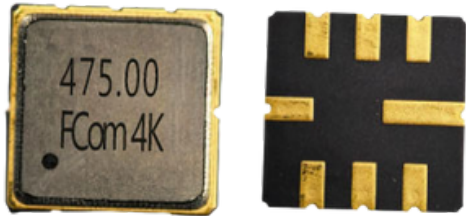


FUJI CRYSTAL
PRECISELY ACCURATE

FCom SAW FILTER

Series FSF-5050-475M

8-SMD, No Lead 5.0x5.0 mm



 Feature

- Package: 5.0 × 5.0 mm; height: 1.5 mm max.
- Specified passband: 469-481 MHz
- Operating temperature: 0 to +50°C

 Application

- RF signal selection at 475 MHz
- Receiver front-end bandpass filtering
- UHF band selection in custom RF designs

 ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	f _c	475.0			MHz	
Insertion Loss	IL		2.1	3.3	dB	
3dB Bandwidth	BW3		-		MHz	
Ripple (469~481MHz)	-		0.7	1.7	dB*	
Storage Temperature	Tstg	-40		+85	°C	
Input Impedance	-					
Output Impedance	-					

 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)

IL and ripple apply over 469-481 MHz.
This 12 MHz passband is not a specified 3 dB bandwidth.
Test source / load: 50 Ω; no matching components are shown. Device impedances are not specified.
* Ripple unit retained as dB; confirmation is pending.
Please confirm the ripple unit with FCom before use.

Pin No.	Description
2	Input/Output
6	Input/Output
1, 3, 5,7	To Be Ground
4, 8	Case Ground

Please contact FCom for other pin configurations.

