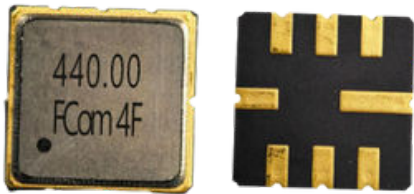


FCom SAW FILTER

Series FSF-5050-440M

8-SMD, No Lead 5.0x5.0 mm



 Feature

- Package: 5.0 × 5.0 mm; height: 1.5 mm max.
- 3 dB bandwidth: 19 MHz min.; 23.3 MHz typ.
- Operating temperature: -40 to +85°C

 Application

- RF signal selection at 440 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	440.0			MHz	
Insertion Loss	IL		1.4	2.8	dB	
3dB Bandwidth	BW3	19.0	23.3		MHz	
Amplitude ripple	-	-	-	-	dB	
Operating Temperature Range	T _A	-40		+85	°C	
Input Impedance	-					
Output Impedance	-					

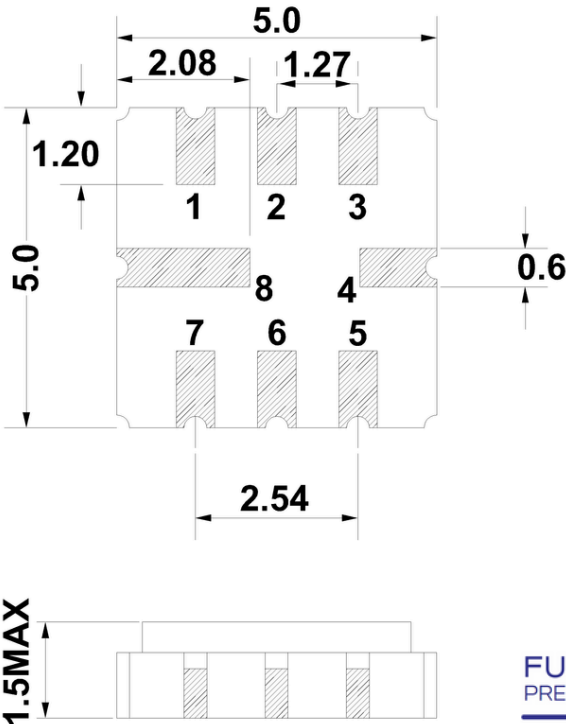
 Typical values are provided for design guidance only. Final production specifications and tolerances are defined in the official test limits and shipment CoC.

 DIMENSION(mm)

Electrical reference temperature: 25°C.
Insertion loss is ILmin, the minimum passband loss.
3 dB bandwidth is measured relative to ILmin.
Test source / load: 50 Ω. Device impedances are not specified; the table entries remain undefined.
The measurement circuit uses no external matching.
Amplitude ripple is not specified.

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.

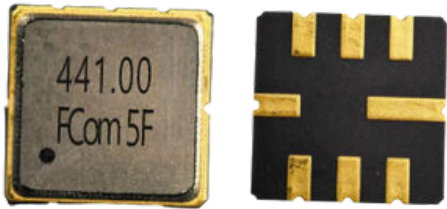


FUJI CRYSTAL
PRECISELY ACCURATE

FCom SAW FILTER

Series FSF-5050-441M

8-SMD, No Lead 5.0x5.0 mm



 Feature

- Package: 5.0 × 5.0 mm; height: 1.5 mm max.
- 2 dB bandwidth: 19 MHz min.; 22.3 MHz typ.
- Operating temperature: -40 to +85°C

 Application

- RF signal selection at 441 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	441.0			MHz	
Insertion Loss	IL		1.5	2.8	dB	
2dB Bandwidth	BW2	19.0	22.3		MHz	
Amplitude ripple	-	-	-	-	dB	
Operating Temperature Range	T _A	-40		+85	°C	
Input Impedance	-					
Output Impedance	-					

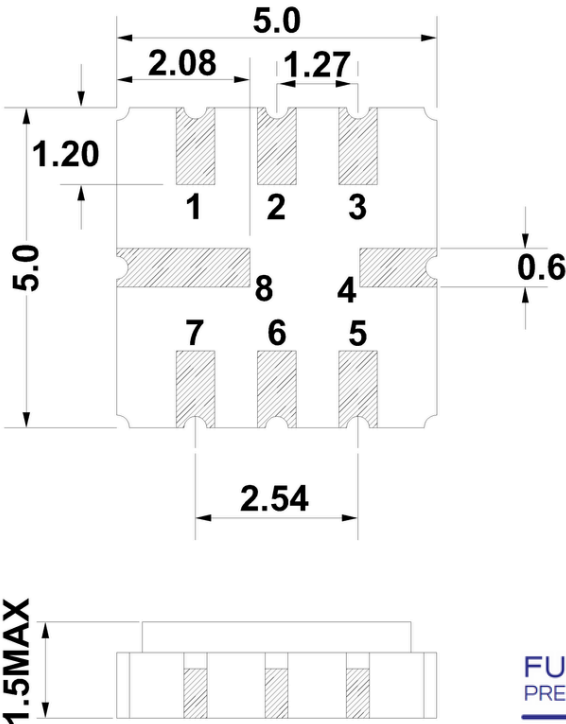
 Typical values are provided for design guidance only. Final production specifications and tolerances are defined in the official test limits and shipment CoC.

 DIMENSION(mm)

Electrical reference temperature: 25°C.
Insertion loss is ILmin, the minimum passband loss.
2 dB bandwidth is measured relative to ILmin.
Test source / load: 50 Ω. Device impedances are not specified; the table entries remain undefined.
The measurement circuit uses no external matching.
Amplitude ripple is not specified.

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.

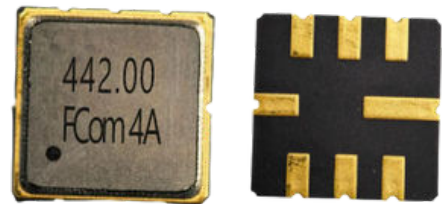


FUJI CRYSTAL
PRECISELY ACCURATE

FCom SAW FILTER

Series FSF-5050-442M

8-SMD, No Lead 5.0x5.0 mm



Feature

- Package: 5.0 × 5.0 mm; height: 1.5 mm max.
- 1 dB bandwidth: 16 MHz min.; 20 MHz typ.
- Operating temperature: -55 to +85°C

Application

- RF signal selection at 442 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	442.0			MHz	
Insertion Loss	IL		1.5	3.0	dB	
1dB Bandwidth	BW1	16.0	20.0		MHz	
Amplitude ripple	-	-	-	-	dB	
Operating Temperature Range	T _A	-55		+85	°C	
Input Impedance	-					
Output Impedance	-					

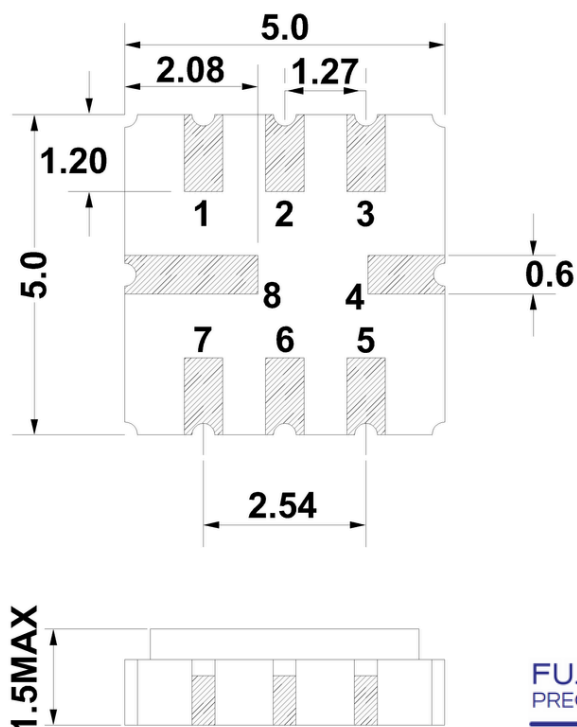
⚠ Typical values are provided for design guidance only. Final production specifications and tolerances are defined in the official test limits and shipment CoC.

DIMENSION(mm)

Test source / load: 50 Ω. Device impedances are not specified; the table entries remain undefined. The measurement circuit uses no external matching. Amplitude ripple is not specified.

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-5050-446M

8-SMD, No Lead 5.0x5.0 mm



 Feature

- Package: 5.0 × 5.0 mm; height: 1.5 mm max.
- Specified passband: 442-450 MHz
- Operating temperature: -10 to +50°C

 Application

- RF signal selection at 446 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	446.0			MHz	
Insertion Loss	IL		2.3	4.5	dB	
3dB Bandwidth	BW3		-		MHz	
Amplitude ripple (Fc ±4MHz)	-		0.3	2.5	dB	
Storage Temperature	Tstg	-40		+85	°C	
Input Impedance	-					
Output Impedance	-					

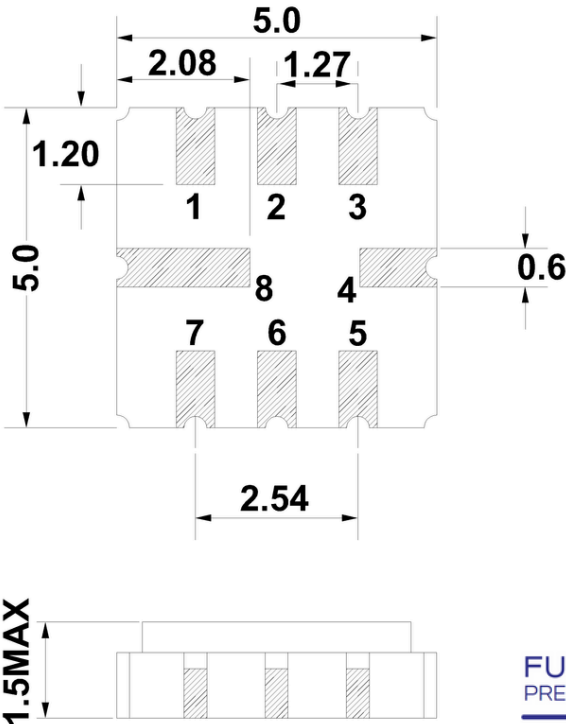
 Typical values are provided for design guidance only. Final production specifications and tolerances are defined in the official test limits and shipment CoC.

 DIMENSION(mm)

Insertion loss and ripple apply over f_c ±4 MHz (442-450 MHz). This is the specified passband; a 3 dB bandwidth value is not provided.
Test source / load: 50 Ω. Device impedances are not specified; the table entries remain undefined.
No matching network is required for 50 Ω operation.

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.



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PRECISELY ACCURATE