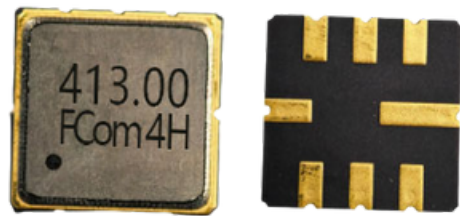


FCom SAW FILTER

Series FSF-5050-413M

8-SMD, No Lead 5.0x5.0 mm



Feature

- Package: 5.0 × 5.0 mm; height: 1.5 mm max.
- Specified passband: 412-414 MHz
- Operating temperature: -40 to +85°C
- Maximum input power: 15 dBm; DC: 3 V
- 50 Ω single-ended source / load

Application

- RF signal selection at 413 MHz
- Receiver front-end bandpass filtering
- Band selection in custom receiver designs

ELECTRICAL SPECIFICATIONS

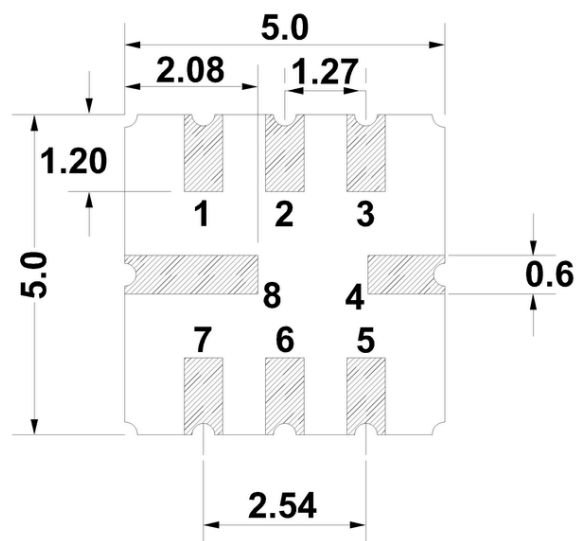
Characteristics	Test / Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	f _C	-	413	-	MHz	
Insertion Loss	412-414 MHz	-	1.8	3.0	dB	
Amplitude Ripple	412-414 MHz	-	0.3	1.5	dB	
VSWR	412-414 MHz	-	1.4	2.2	-	Dimensionless
Absolute Attenuation	10-400 MHz	55	57	-	dB	From 0 dB
Absolute Attenuation	400-405 MHz	10	47	-	dB	From 0 dB
Absolute Attenuation	425-430 MHz	20	38	-	dB	From 0 dB
Absolute Attenuation	430-440 MHz	30	41	-	dB	From 0 dB
Absolute Attenuation	440-800 MHz	50	59	-	dB	From 0 dB
Absolute Attenuation	800-1000 MHz	45	56	-	dB	From 0 dB
Frequency Temp. Coeff.	TCF	-	-36	-	ppm/K	
Operating Temperature	TA	-40	-	+85	°C	
Storage Temperature	T _{stg}	-40	-	+85	°C	
Test Source Impedance	Z _s	-	50	-	Ω	Single-ended
Test Load Impedance	Z _L	-	50	-	Ω	Single-ended

DIMENSION(mm)

Specified passband: 412-414 MHz.
 This passband is not a specified 3 dB bandwidth.
 A 3 dB bandwidth value is not provided.
 Stopband attenuation is absolute, relative to 0 dB.
 Test source / load: 50 Ω each, single-ended.
 Test terminations are not device input / output impedances.

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.

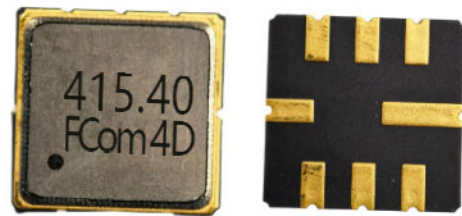


FUJI CRYSTAL
PRECISELY ACCURATE

FCom SAW FILTER

Series FSF-5050-415M4

8-SMD, No Lead 5.0x5.0 mm



Feature

- Package: 5.0 × 5.0 mm; height: 1.5 mm max.
- Specified passband: 412.9-417.9 MHz
- Operating temperature: +15 to +35°C
- Maximum input power: 10 dBm; DC: 3 V
- 200 Ω balanced source / load

Application

- RF signal selection at 415.4 MHz
- Differential RF / IF bandpass filtering
- Band selection in custom receiver designs

ELECTRICAL SPECIFICATIONS

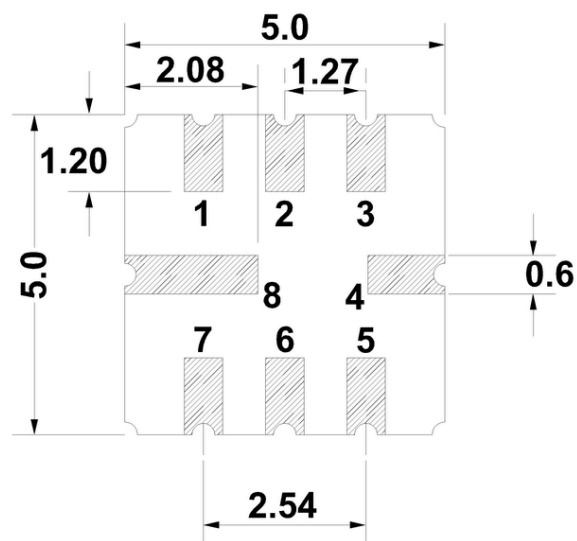
Characteristics	Test / Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	f _C	-	415.4	-	MHz	
Insertion Loss	412.9-417.9 MHz	-	2.2	3.6	dB	
Amplitude Ripple	412.9-417.9 MHz	-	0.65	2.1	dB	
VSWR	412.9-417.9 MHz	-	1.3	2.2	-	Dimensionless
Absolute Attenuation	1-379 MHz	40	58	-	dB	From 0 dB
Absolute Attenuation	379-394 MHz	35	55	-	dB	From 0 dB
Absolute Attenuation	394-405 MHz	10	40	-	dB	From 0 dB
Absolute Attenuation	437-476 MHz	36	53	-	dB	From 0 dB
Absolute Attenuation	476-550 MHz	40	55	-	dB	From 0 dB
Frequency Temp. Coeff.	TCF	-	-36	-	ppm/K	
Operating Temperature	TA	+15	-	+35	°C	
Storage Temperature	T _{stg}	-40	-	+85	°C	
Test Source Impedance	Z _s	-	200	-	Ω	Balanced
Test Load Impedance	Z _L	-	200	-	Ω	Balanced

DIMENSION(mm)

Specified passband: 412.9-417.9 MHz.
 This passband is not a specified 3 dB bandwidth.
 A 3 dB bandwidth value is not provided.
 Stopband attenuation is absolute, relative to 0 dB.
 Test source / load: 200 Ω each, balanced.
 Test terminations are not device input / output impedances.
 Use both pins of each differential port as shown below.

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

Please contact FCom for other pin configurations.



FUJI CRYSTAL
PRECISELY ACCURATE