

FCom SAW FILTER

Series FSF-5050-340M

8-SMD, No Lead 5.0x5.0 mm



Feature

- Standard Package: 5.0 x 5.0 x 1.5 mm
- Specified Passband: 337-343 MHz
- Operating Temperature: -10 to +65°C
- Insertion Loss: 1.9 dB typ.; 3.5 dB max.

Application

- 340 MHz RF / IF signal filtering
- Channel selection over 337-343 MHz
- Out-of-band suppression in receiver chains

Test / Matching

50 Ω source and load; the reference circuit shows direct connection without external L/C matching.
Maximum ratings: input power 10 dBm; DC voltage 3 V. Storage temperature: -40 to +85°C.

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	Fc	-	340.0	-	MHz	
Insertion Loss	IL	-	1.9	3.5	dB	Passband
Specified Passband	337-343				MHz	IL / ripple
Amplitude Ripple	AR	-	0.4	1.5	dB	Passband
Return Loss (signed)	RL	-	-14	-9	dB	Passband
Absolute Attenuation	A	40	46	-	dB	300-320 MHz
Absolute Attenuation	A	6	12	-	dB	320-331 MHz
Absolute Attenuation	A	6	12	-	dB	350-370 MHz
Absolute Attenuation	A	40	45	-	dB	370-400 MHz
Operating Temperature	TA	-10	-	+65	°C	
Input Impedance	Not specified in reference					See test
Output Impedance	Not specified in reference					See test

Attenuation is absolute (0 dB reference). IL and ripple apply over the specified passband.

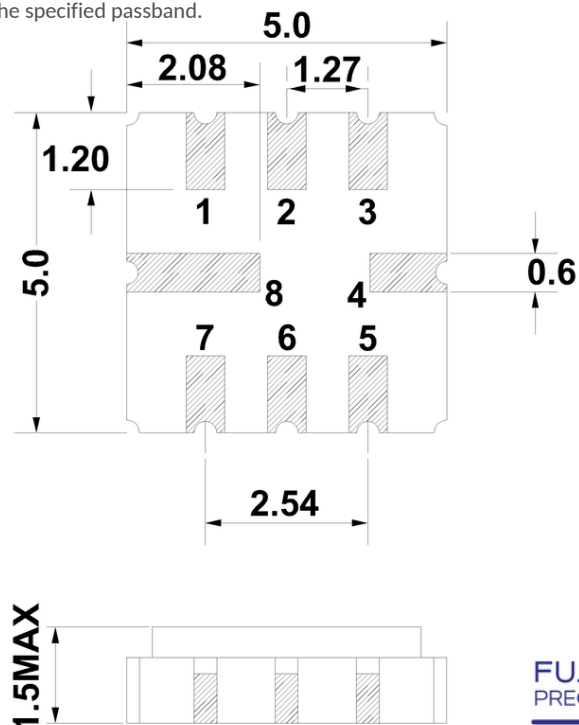
DIMENSION(mm)

3 dB bandwidth is not specified.
Frequency TCF: -37 ppm/K typ.
Return loss retains signed source values.
Ripple is in dB (source unit typo: MHz).

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

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-5050-345M

8-SMD, No Lead 5.0x5.0 mm



Feature

- Standard Package: 5.0 x 5.0 x 1.5 mm
- Specified Passband: 344.6-345.4 MHz
- Operating Temperature: -25 to +85°C
- Insertion Loss: 2.3 dB typ.; 3.3 dB max.

Application

- 345 MHz receiver front-end filtering
- Channel selection over 344.6-345.4 MHz
- Filtering for short-range control receivers

Test / Matching

50 Ω source and load; the reference circuit shows direct connection without external L/C matching.

Maximum ratings: input power 10 dBm; DC voltage 3 V. Storage temperature: -40 to +85°C. ESD-sensitive.

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	Fc	-	345.0	-	MHz	
Insertion Loss	IL	-	2.3	3.3	dB	Passband
Specified Passband		344.6-345.4			MHz	IL / ripple
Amplitude Ripple	AR	-	0.4	1.3	dB	Passband
Absolute Attenuation	A	50	60	-	dB	10-320 MHz
Absolute Attenuation	A	50	55	-	dB	320-325 MHz
Absolute Attenuation	A	35	40	-	dB	325-333.5 MHz
Absolute Attenuation	A	50	55	-	dB	333.5-335 MHz
Absolute Attenuation	A	40	45	-	dB	335-337 MHz
Absolute Attenuation	A	25	30	-	dB	354-362 MHz
Absolute Attenuation	A	38	42	-	dB	362-370 MHz
Absolute Attenuation	A	50	55	-	dB	370-700 MHz
Absolute Attenuation	A	32	42	-	dB	700-1000 MHz
Operating Temperature	TA	-25	-	+85	°C	
Input Impedance		Not specified in reference				See test
Output Impedance		Not specified in reference				See test

Attenuation is absolute (0 dB reference). IL and ripple apply over the specified passband.

DIMENSION(mm)

3 dB bandwidth is not specified.

Frequency TCF: -30 ppm/°C typ.

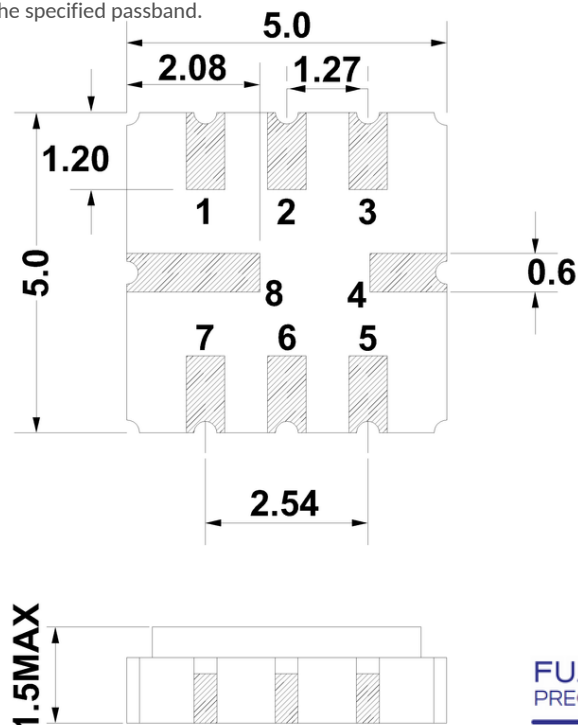
The 0.8 MHz span is the specified passband.

Typical values are for design guidance.

Final production limits are defined in the official test limits and shipment CoC.

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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