

FCom SAW FILTER

Series FSF-5050-291M4

8-SMD, No Lead 5.0x5.0 mm



Feature

- Standard Package: 5.0 x 5.0 x 1.5 mm
- Specified Passband: $F_c \pm 3.5$ MHz
- Operating Temperature: -10 to +50°C
- Insertion Loss: 3.0 dB typ.; 4.5 dB max.

Application

- 291.4 MHz IF filtering in receiver signal chains
- Channel selection over 287.9-294.9 MHz
- Out-of-band signal rejection before downstream IF amplification or conversion

Test / Matching

50 Ω source and load; each signal port uses a series 8 pF capacitor and a shunt 47 nH inductor.
Maximum ratings: input power 5 dBm; DC voltage 3 V. Storage temperature: -40 to +85°C.

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	F_c	-	291.4	-	MHz	
Insertion Loss	IL	-	3.0	4.5	dB	287.9-294.9 MHz
Specified Passband	287.9-294.9				MHz	$F_c \pm 3.5$ MHz
Amplitude Ripple	AR	-	0.85	2.0	dB	287.9-294.9 MHz
Absolute Attenuation	A	40	55	-	dB	191.4-253.9 MHz
Absolute Attenuation	A	40	65	-	dB	328.9-391.4 MHz
Operating Temperature	TA	-10	-	+50	°C	
Input Impedance	Not specified in reference					See matching
Output Impedance	Not specified in reference					See matching

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

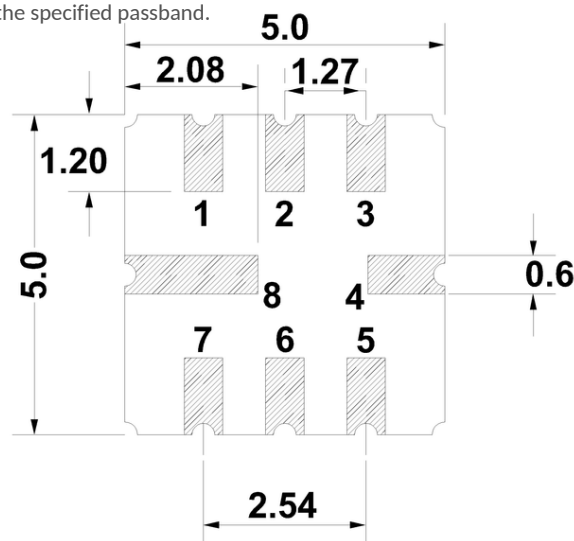
DIMENSION(mm)

The specified passband spans 7 MHz.
3 dB bandwidth is not specified in the reference. ESD-sensitive device.

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