

8-SMD, No Lead 5.0x5.0 mm



- Standard Package: 5.0*5.0*1.5mm
- Specified passband: 497-503 MHz
- Operating temperature: -20°C to +70°C
- RoHS and REACH Compliant , Pb-free

- 500 MHz RF/IF receiver filtering
- Signal selection in UHF receivers
- Receiver front-end filtering
- Test and measurement signal chains

Measurement matching: each port uses a series 4.7 pF capacitor and a shunt 22 nH inductor at the filter side.

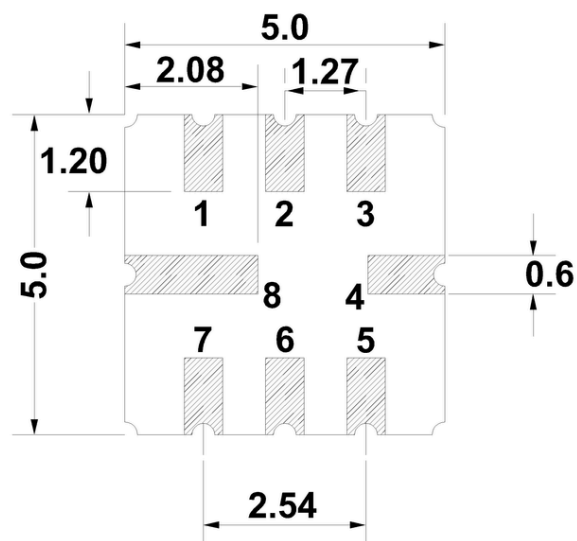
Reference pin labels conflict: test circuit 3/7; outline 2/6. FCom pin table retained; confirm before PCB layout.

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	f _c	500.0			MHz	IL and ripple: 497-503 MHz. 50 ohm source and load with matching; see note above. 3 dB bandwidth: not specified.
Insertion Loss	IL		2.7	4.7	dB	
3 dB Bandwidth	BW		-		MHz	
Amplitude Ripple (497 ~ 503 MHz)	-		0.4	2.0	dB	
Storage Temperature	T _A	-40		+85	°C	
Input Impedance	Not specified					
Output Impedance	Not specified					

! Typical values are provided for design guidance only. Final production specifications and tolerances 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-5050-504M

8-SMD, No Lead 5.0x5.0 mm



Feature

- Standard Package: 5.0*5.0*1.5mm
- Specified passband: 500-508 MHz
- Operating temperature: -40°C to +85°C
- RoHS and REACH Compliant , Pb-free

Application

- 504 MHz RF/IF receiver filtering
- Signal selection in UHF receivers
- Receiver front-end filtering
- Test and measurement signal chains

ELECTRICAL SPECIFICATIONS

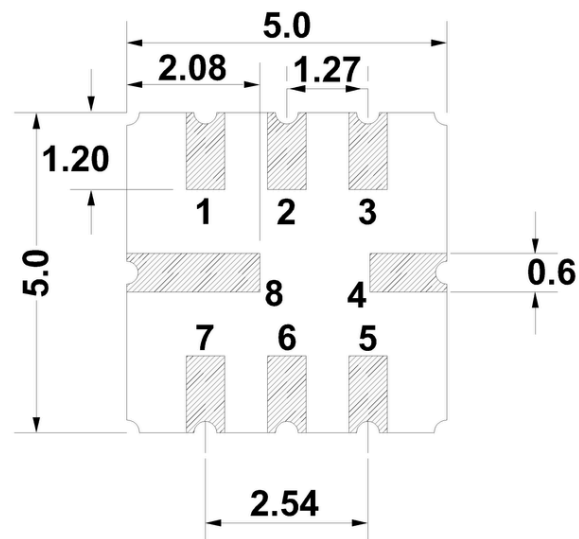
Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	f _C	504.0			MHz	IL and ripple: 500-508 MHz. Test source/load: 50 ohm / 50 ohm. Impedance uses parallel R // C. 3 dB bandwidth: not specified.
Insertion Loss	IL		2.5	4.5	dB	
3 dB Bandwidth	BW		-		MHz	
Amplitude Ripple (500 ~ 508 MHz)	-		0.3	2.5	dB	
Storage Temperature	T _A	-40		+85	°C	
Input Impedance	50 Ω // 0 pF at center frequency					
Output Impedance	50 Ω // 0 pF at center frequency					

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DIMENSION(mm)

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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