

FCom RF THROUGH

Series FSF-5050-974M3

8-SMD, No Lead 5.0x5.0 mm



Feature

- Package footprint: 5.0 x 5.0 mm
- Thru range: 40-1040 MHz
- Operating temperature range: -30°C to +60°C
- RoHS and REACH Compliant , Pb-free

Application

- Broadband RF signal paths
- RF through-path connections
- RF test signal routing
- Test & measurement paths

REFERENCE SCOPE AND TEST CONDITIONS

TN0068A Rev.1.0 describes 40-1040 MHz through operation; narrowband selectivity is not specified.

The reference table lists $F_c = 974.3$ MHz; this value is reproduced below without reclassification.

50-ohm source / load. The reference circuit shows no external L/C matching components.

Device input / output impedance and 3 dB bandwidth are not specified.

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	fC	-	974.3	-	MHz	Fc as listed in reference table. Ripple interval: 40-1040 MHz 3 dB bandwidth: Not specified Zs = ZL = 50 ohms (test ports)
Insertion Loss	IL	-	0.7	1.0	dB	
3 dB Bandwidth	BW	-	-	-	MHz	
Passband Ripple	-	-	0.6	1.0	dB	
Storage Temperature	Tstg	-40	-	+85	°C	
Input Impedance	Not specified					
Output Impedance	Not specified					

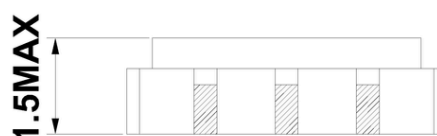
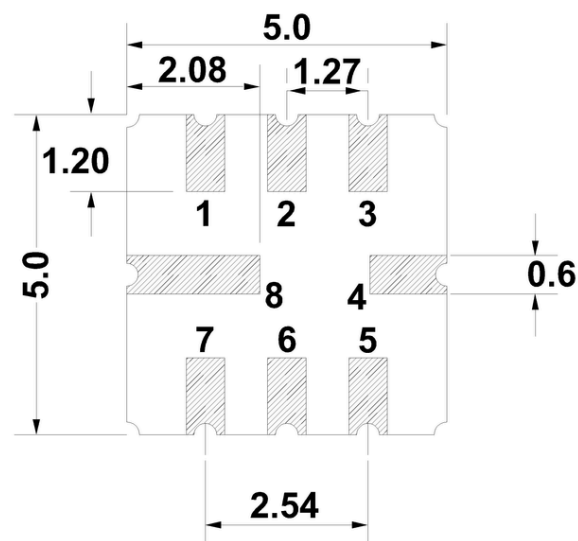
⚠ Typical values are provided for design guidance only. Final production specifications and tolerances are defined in the official test limits and shipment CoC.

DIMENSION(mm)

FCom mechanical template retained.
 Reference height: 1.7 mm max; template: 1.5 mm max.
 Pin functions follow the TN0068A outline:
 3: input; 7: output.
 * 2: input ground; 6: output ground.
 1, 4, 5, 8: ground.
 Confirm package dimensions before PCB layout.

Pin No.	Description
3	Input
7	Output
2, 6	Port grounds*
1, 4, 5, 8	Ground

Please contact FCom for other pin configurations.



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PRECISELY ACCURATE