

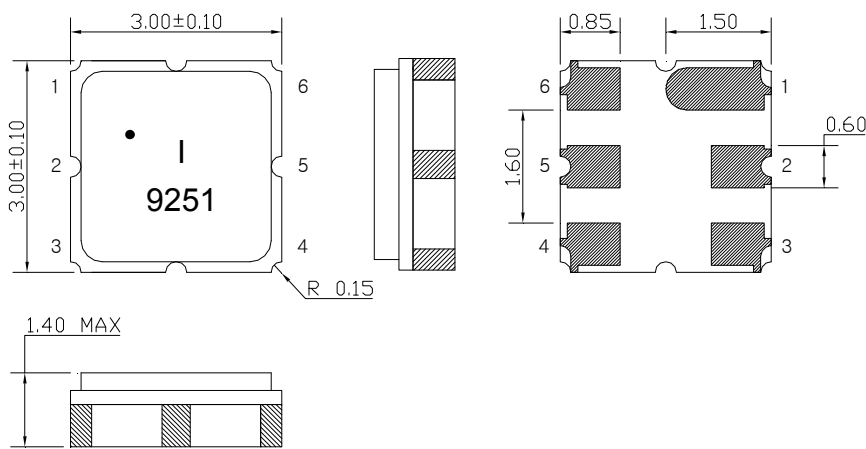
SAW Bandpass Filter 925.0 MHz



Features

- RF bandpass filter
- No matching 50Ω single-ended operation
- Ceramic Surface Mounted Device Package (3.0 mm × 3.0 mm)
- RoHS Compliant

Package Dimensions



Dimensions shown are nominal in millimeters

Body : Al₂O₃ Ceramic

Lid : Kovar, Ni Plated

Terminations : Au plating 0.3 ~ 1.0 um, Over a 1.27 ~ 8.89 um
Ni Plating

Pin Configuration

2	Input
5	Output
1, 3, 4, 6	Case ground

Maximum Ratings

Parameter	Unit	Minimum	Typical	Maximum
Operating Temperature Range	℃	-20	25	75
Storage Temperature Range	℃	-40		85
Power Handling Capability	dBm	-	-	10

Electrostatics Sensitive Device (ESD)

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	F9251	
		Rev. Date	2012-11-29	
		Rev.	NCNK02-AS01	1/7

SAW Bandpass Filter 925.0 MHz




Specifications

Fc = 925.0 MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (Fc)	-	925.0	-	MHz
Insertion Loss (922.0 ~ 928.0 MHz)	-	2.9	4.2	dB
Ripple (922.0 ~ 928.0 MHz)	-	0.5	2.0	dB
VSWR (922.0 ~ 928.0 MHz)	-	2.0	2.5	
Attenuation				
775.0 ~ 835.0 MHz	40	46	-	dB
835.0 ~ 895.0 MHz	36	45	-	
970.0 ~ 992.0 MHz	36	46	-	
992.0 ~ 1075.0 MHz	38	44	-	
Input/Output Impedance		50		Ohms

Notes :

- 1) All specifications are based on the matching schematic shown below, measured by Agilent Network analyzer and full 2 port calibration.
- 2) Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances

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Matching Schematic

(Actual matching values may vary due to PCB layout and parasitics)




Marking Configuration

●¹⁾
I²⁾
9251³⁾

- 1) Pad Number 1 Index
- 2) Manufacturer name
- 3) Marking Number

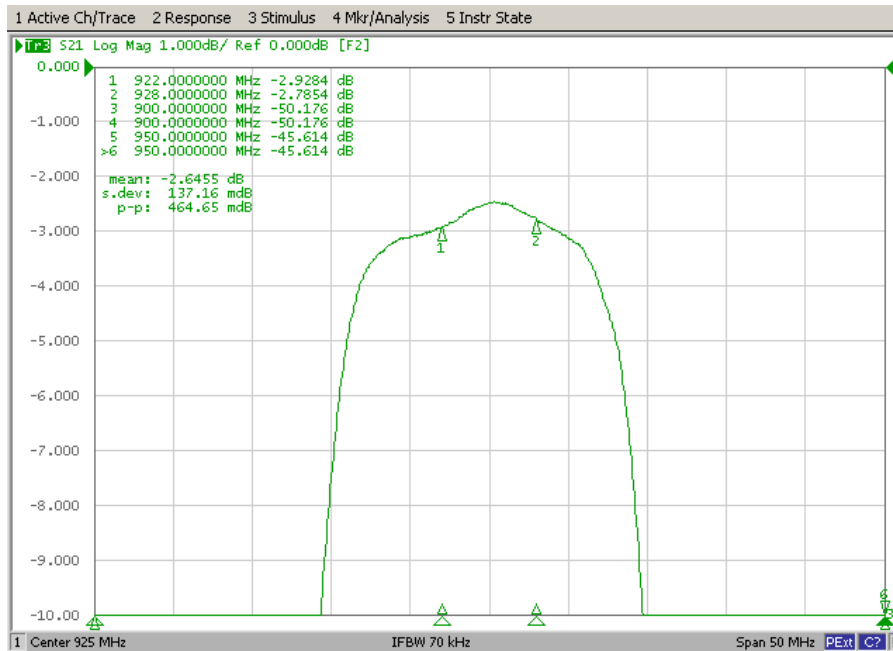
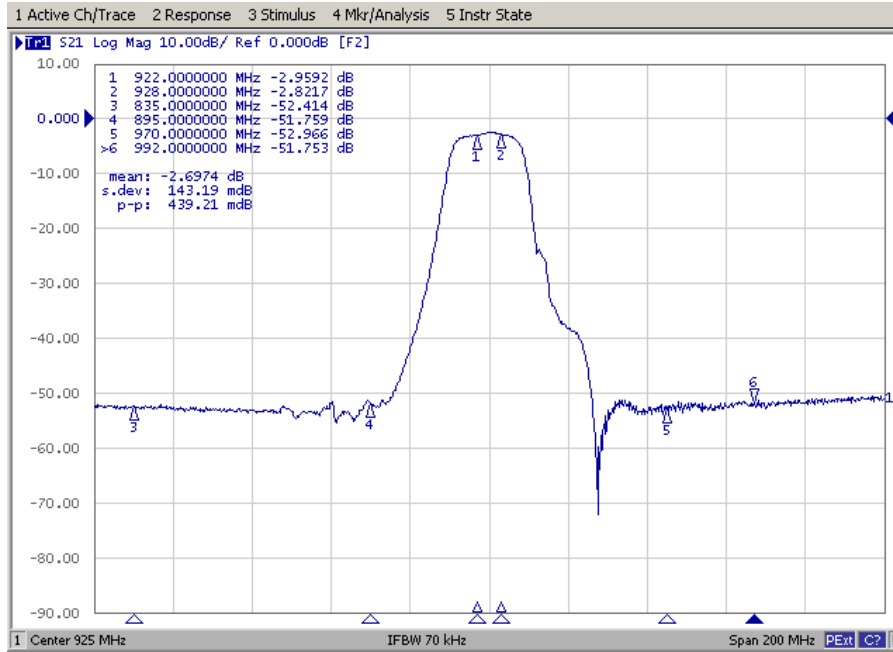
* Ink or Laser Marking available

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Typical Performance (at 25 °C)

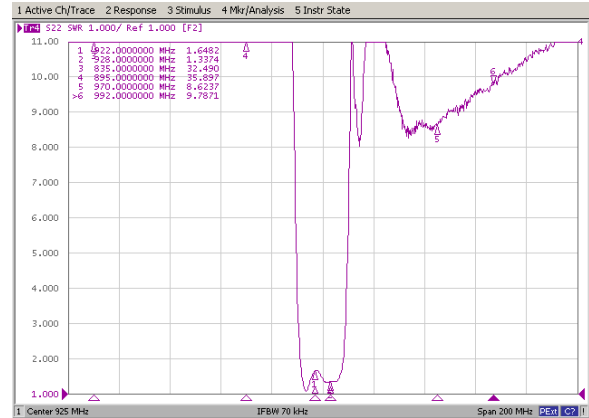
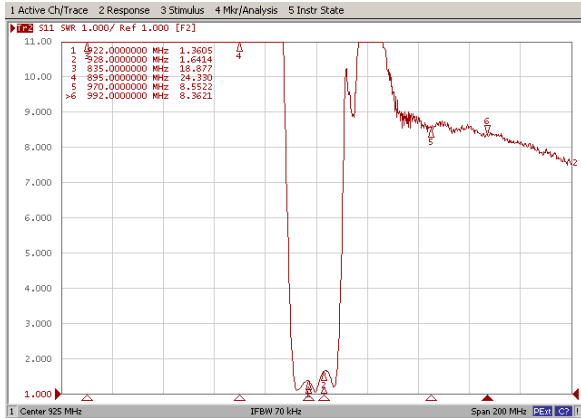


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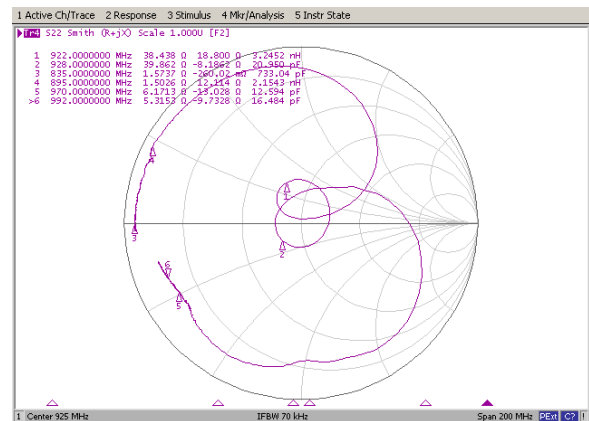
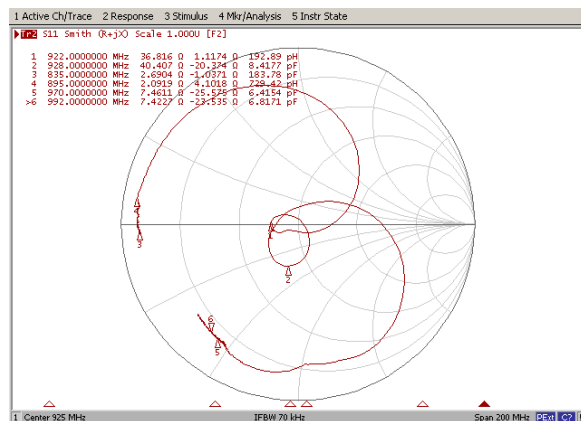
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Input / Output VSWR



Input / Output Smith Charts



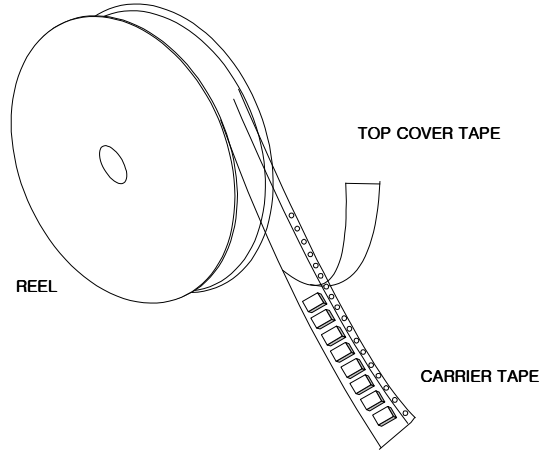
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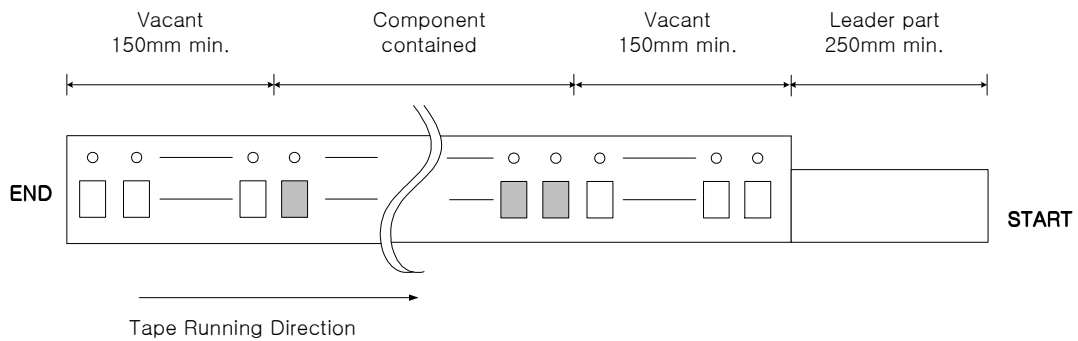
Packing Specification

1. Reeling Quantity : 1000 pcs / reel, 3000 pcs / reel
2. Taping Structure : The tape shall be wound around the reel in the direction shown below.



Tape Specification

1. Leader part and vacant position specification

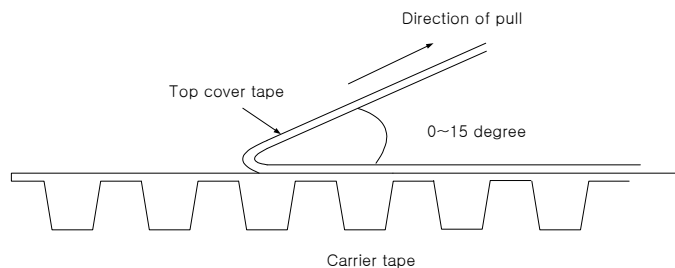


2. Tensile strength of carrier tape

4.4N/mm width

3. Top cover tape adhesion

- 1) pull off angle : 0~15°
- 2) speed : 300mm/min
- 3) force : 20~70g

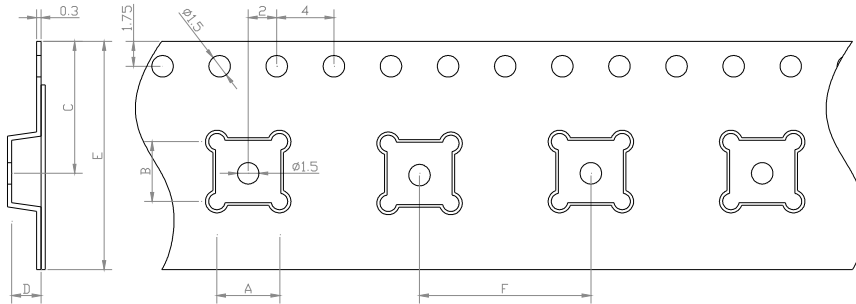


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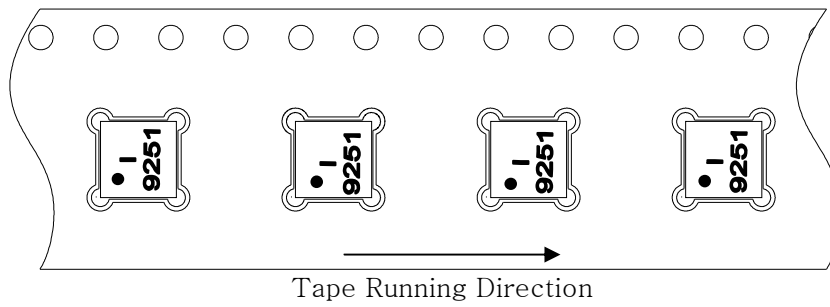


Carrier Tape Dimensions [unit : mm]

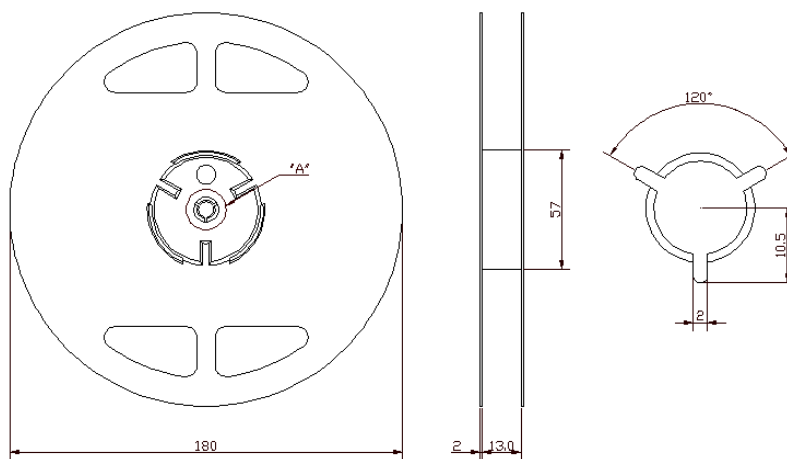


A	3.40 ± 0.1
B	3.40 ± 0.1
C	7.25 ± 0.1
D	1.70 ± 0.1
E	12.00 ± 0.1
F	8.00 ± 0.1

Part Direction



Reel Dimensions [unit : mm]



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