

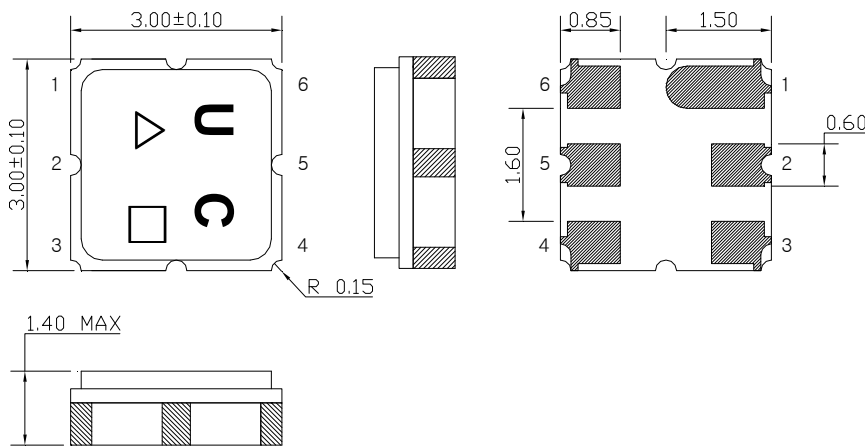
SAW Bandpass Filter F1G62



Features

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

Package Dimension – SMD 3.0 × 3.0



Dimensions shown are nominal in millimeters

Body : Al₂O₃ Ceramic

Lid : Kovar, Ni Plated

Terminations : Au plating 0.3 ~ 1.0 μm, Over a 1.27 ~ 8.89 μm 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	25	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.	F1G62	
		Rev. Date	2016-10-14	
		Rev.	AS 02	1/7

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Specifications

$F_c = 1642.5 \text{ MHz}$

	Minimum	Typical	Maximum	Unit
Center Frequency (F_c)	-	1642.5	-	MHz
Insertion Loss (1625 ~ 1660 MHz)	-	1.8	3.5	dB
Amplitude Ripple (1625 ~ 1660 MHz)	-	0.7	2.0	dBp-p
VSWR (1625 ~ 1660 MHz)	-	1.7	2.3	
Attenuation				
DC ~ 1500 MHz	21	29	-	dB
1525 ~ 1559 MHz	30	36	-	
1700 ~ 2050 MHz	30	32	-	
2050 ~ 3500 MHz	25	32	-	
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

U¹⁾ C²⁾

△³⁾ □⁴⁾

- 1) Application
- 2) Series Number
- 3) Date Code(Year)
- 4) Date Code(Month)

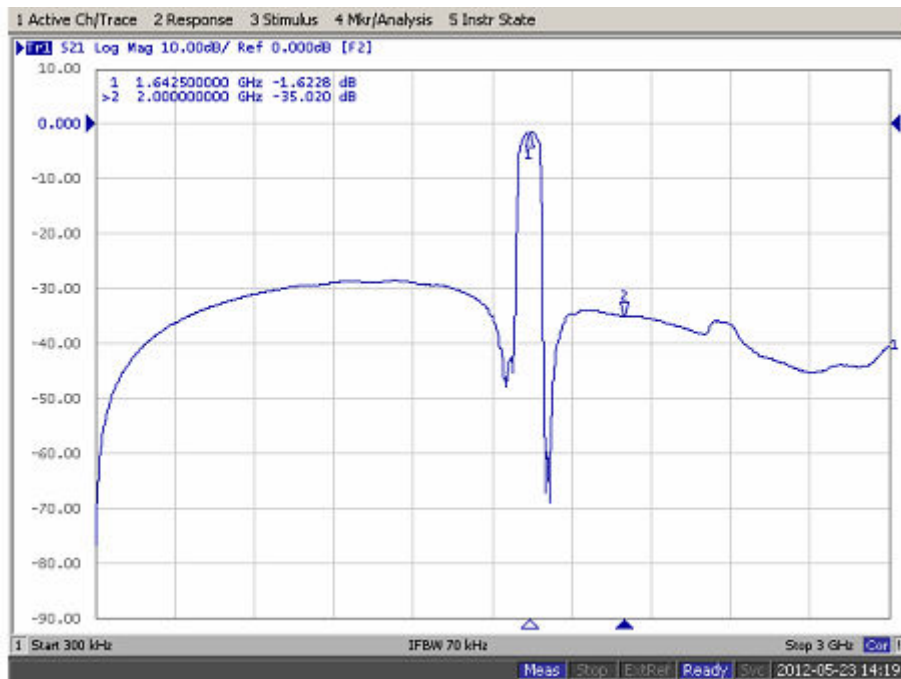
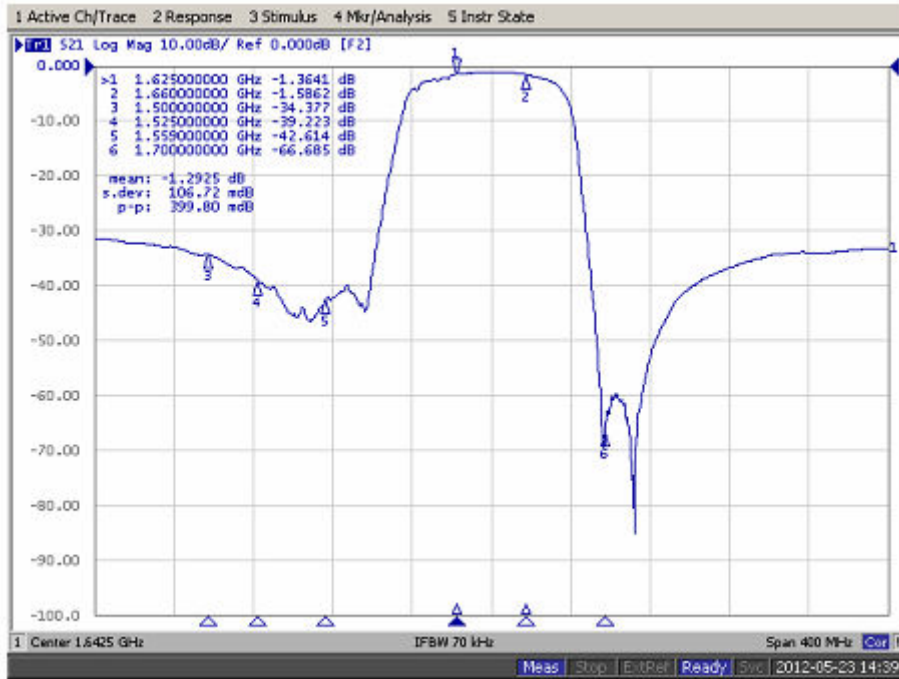
* Ink or Laser Marking available

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Typical Performance (at 25°C)

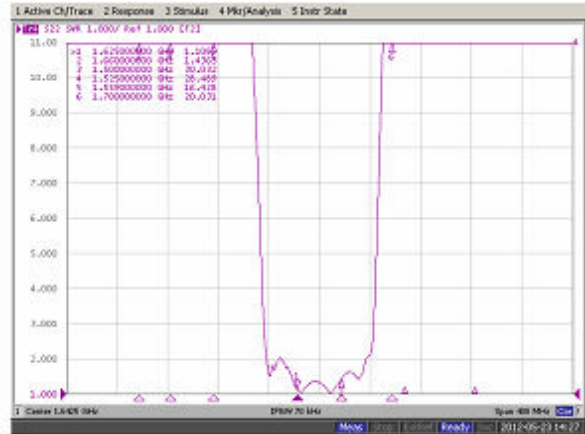
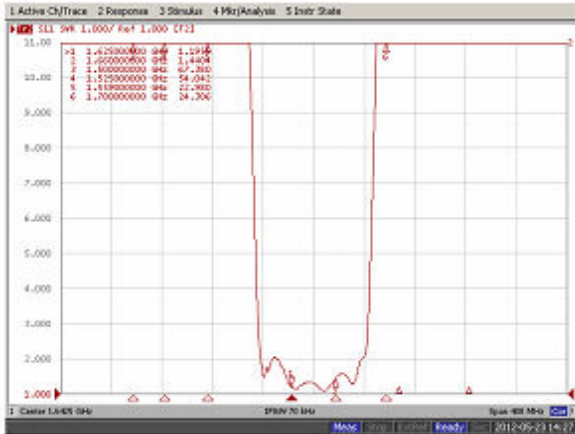


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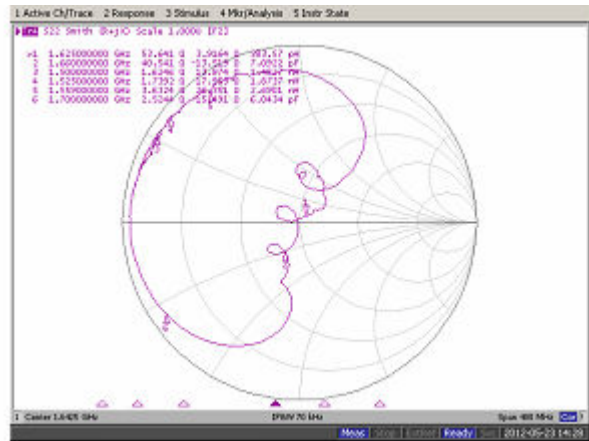
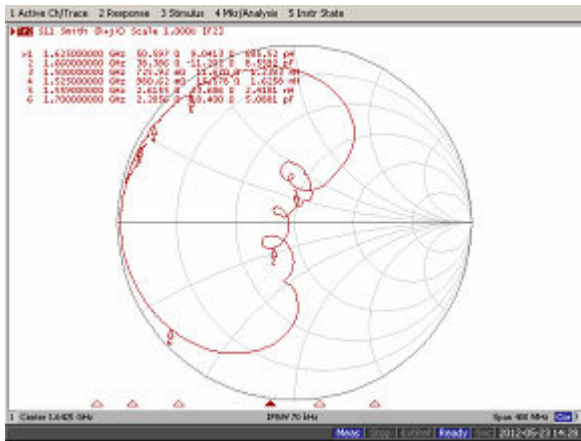
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Input / Output VSWR Charts



Input / Output Smith Charts



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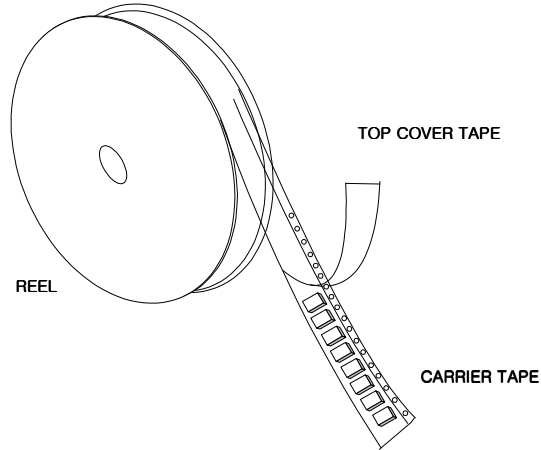
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Packing Specification

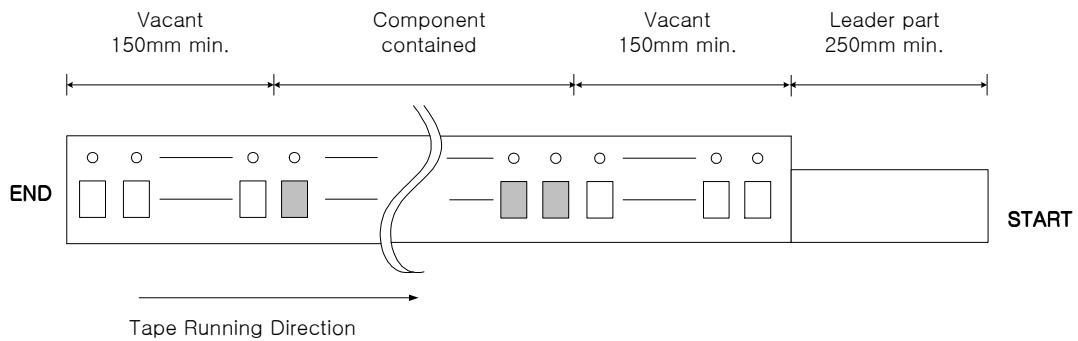
1. Reeling Quantity : 1000 pcs / reel

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

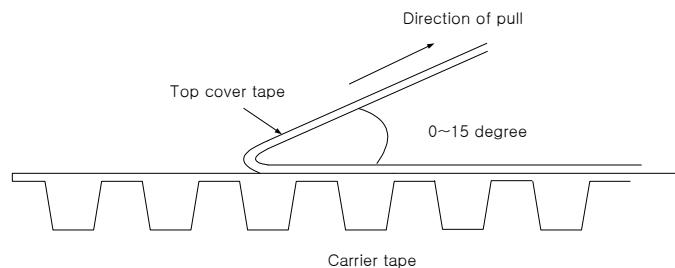
4.4N/mm width

3. Top cover tape adhesion

1) pull off angle : 0~15

2) speed : 300mm/min

force : 20~70g

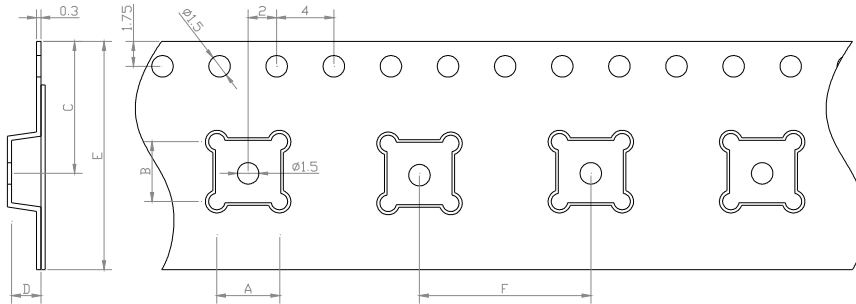


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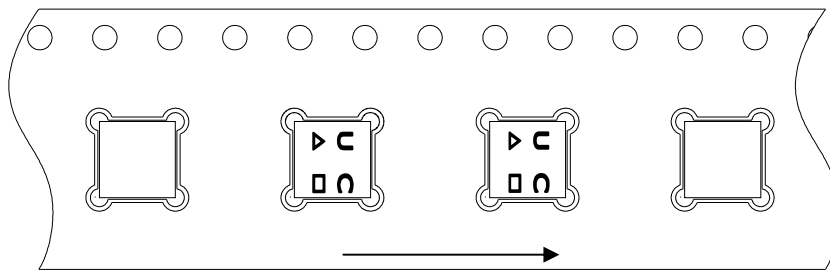


Carrier Tape Dimensions [unit : mm]

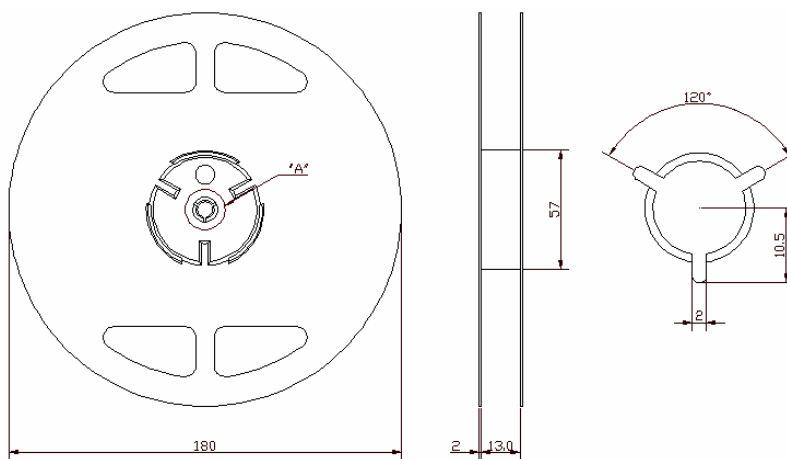



A	3.40 ± 0.1
B	3.40 ± 0.1
C	7.25 ± 0.1
D	1.70 ± 0.1
E	12.00 ± 0.1
F	8.00 ± 0.1

Part Direction



Reel Dimensions [unit : mm]



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