

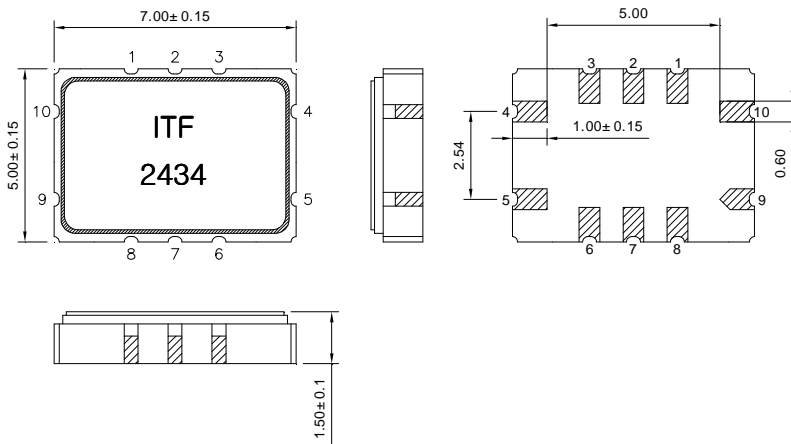
SAW Bandpass Filter F2434



Features

- Narrow bandpass filter
- High attenuation
- Usable bandwidth 50kHz
- 50Ω single-ended operation
- Ceramic Surface Mounted Device (SMD) Package

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	
9	Input
4	Output
Others	Ground

Maximum Ratings

Parameter	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-25	25	60
Storage Temperature Range	°C	-30	-	70
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.	F2434	
		Rev. Date	2012-06-18	
		Rev.	NCNF01-AS01	1/7

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Specifications

Fc = 243MHz

		Minimum	Typical	Maximum
Center Frequency (Fc)	MHz	-	243	-
Insertion Loss (Fc +/- 25 kHz)	dB	-	3.7	6.0
Amplitude Ripple (Fc +/- 25 kHz)	dB	-	0.2	1.0
Group Delay Variation (Fc +/- 25 kHz)	usec	-	0.5	2.0
Attenuation				
Fc -115 ~ Fc -1 MHz		50	63	-
Fc -1 ~ Fc -0.6 MHz		42	64	-
Fc -0.6 ~ Fc -0.4 MHz		29	68	-
Fc +0.4 ~ Fc +0.6 MHz	dB	29	64	-
Fc +0.6 ~ Fc +1 MHz		42	63	-
Fc +1 ~ Fc +115 MHz		50	55	-
Temperature Coefficient of Frequency	ppm/°C ²	-	-0.032	-

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
- 3) All attenuation measurements are measured relative to insertion loss

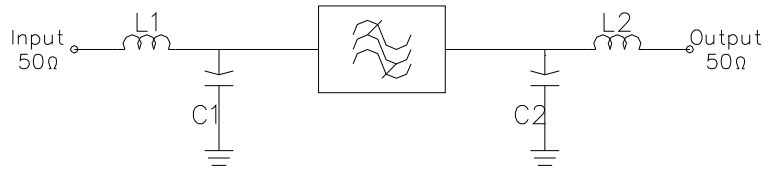
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Matching Schematic

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



L1 ,L2 = 120nH

C1 ,C2 = 1.5pF


Marking Configuration

ITF¹⁾

2434²⁾

1) Manufacturer name

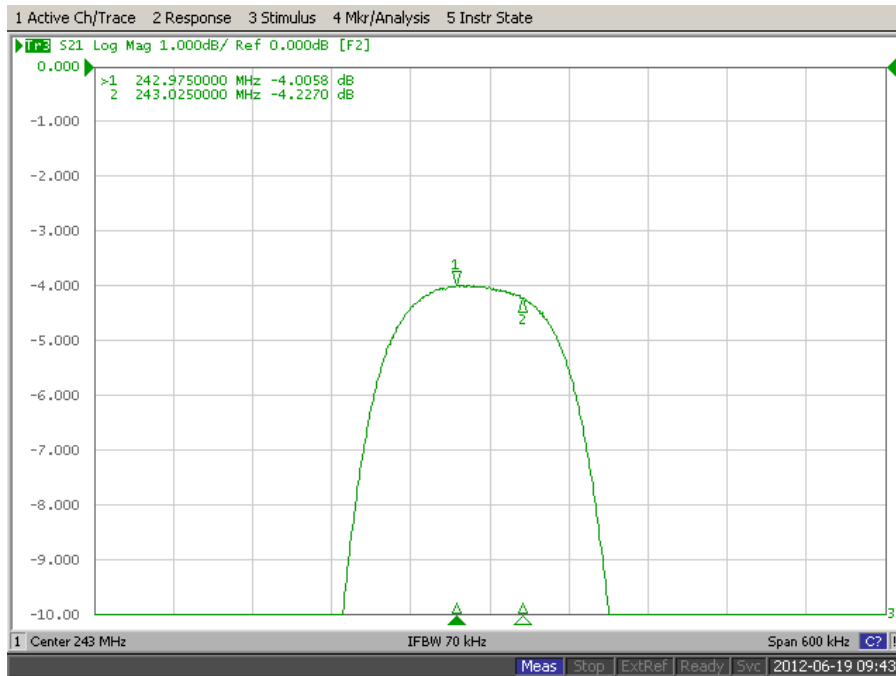
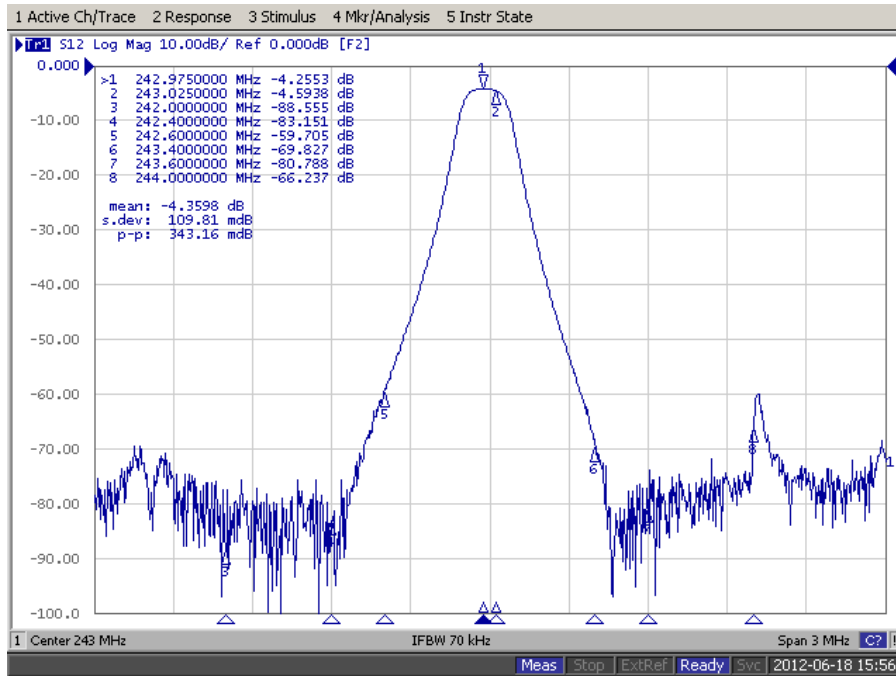
2) Part Number

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	F2434	
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Typical Performance (at 25°C)

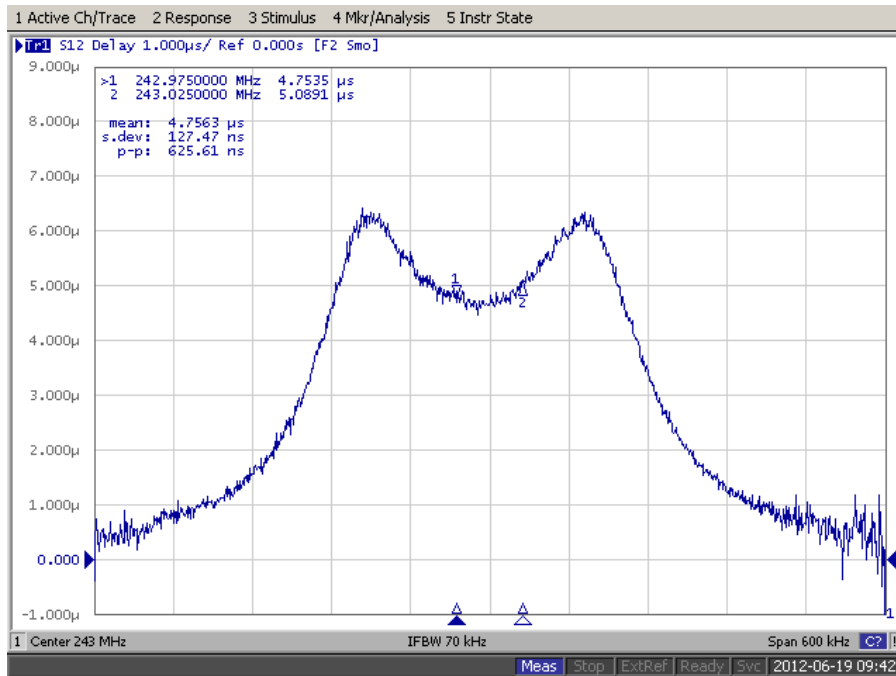
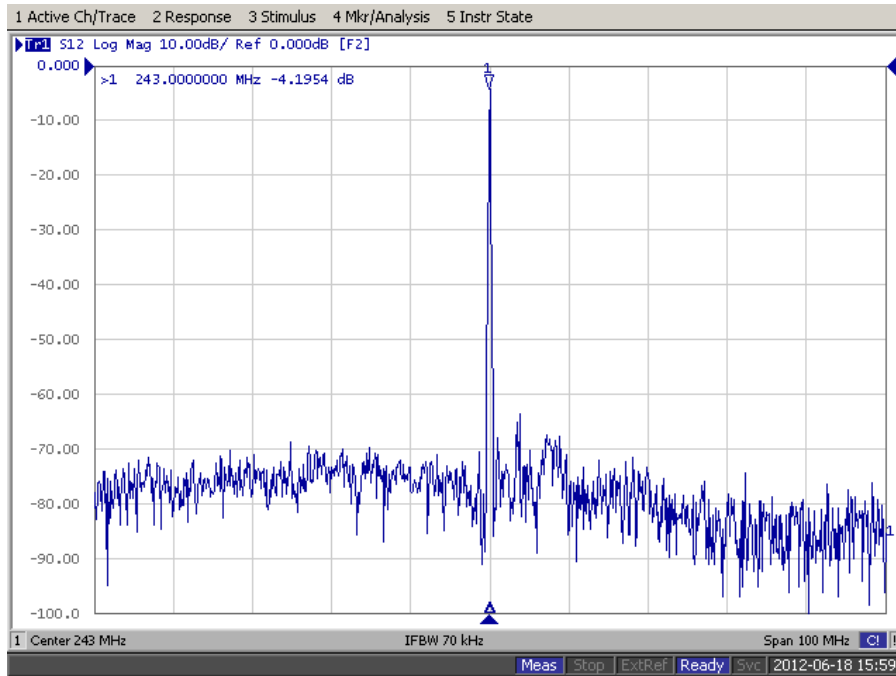


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Typical Performance (at 25°C)



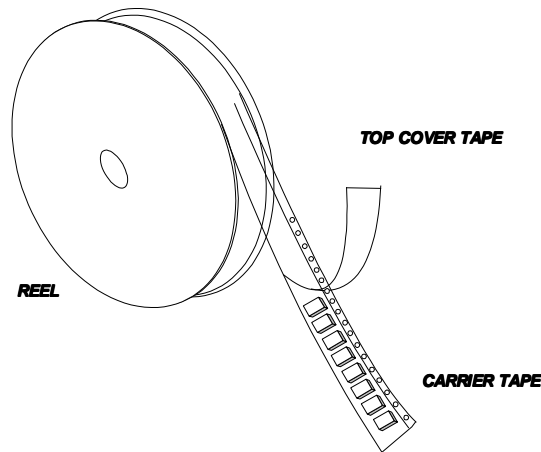
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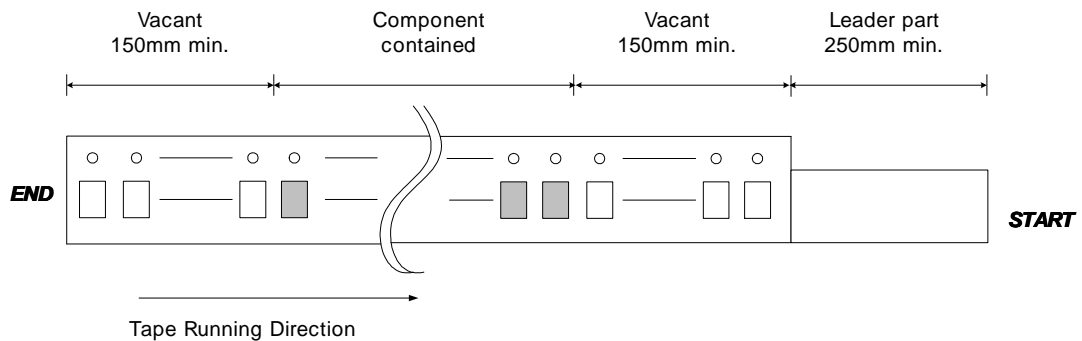
Packing Specification

1. Reeling Quantity : 1000 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

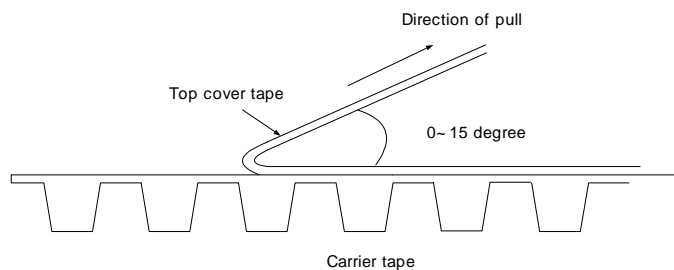


2. Tensile strength of carrier tape

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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