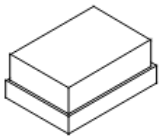
RFMi
BRAND OF AKOUSTIS

RoHS compliant

SF2681K

2595 MHz SAW Filter



SM1411-5

MAXIMUM RATING:

- Input Power Level: 28dBm
- DC Voltage : 0V
- Operating Temperature: -30°C to +85°C
- Storage Temperature: -40°C to +85°C
- Moisture Sensitivity Level:Leve3(MSL 3)
- ESD 50V(MM) 100V(HBM)

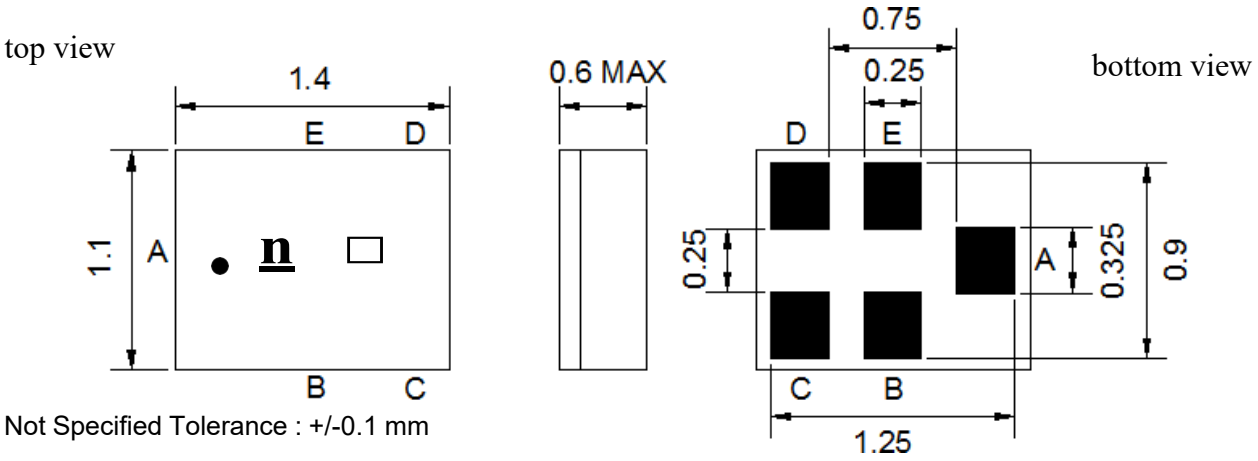
ELECTRICAL CHARACTERISTICS:

Terminating source impedance : Z_L = 50 Ω

Terminating load impedance : Zs = 50 Ω

Item		Unit	Min.	Typ.	Max.	Note
Center Frequency	**Fc**	MHz	-	2595	-	-
Insertion Loss (2570~2620 MHz)	**IL**	dB	-	1.8	2.5	-
Amplitude ripple(2570~2620 MHz)		dBp-p	-	1.0	1.7	-
VSWR (2570~2620 MHz)			-	1.9	2.2	-
Attenuation (reference level from 0 dB)						
10 ~ 200 MHz		dB	30	42	-	-
200 ~ 1570 MHz		dB	20	27		
1570 ~ 1580 MHz		dB	20	27		
1580 ~ 2000 MHz		dB	20	27	-	-
2000 ~ 2300 MHz		dB	20	27	-	-
2300 ~ 2400 MHz		dB	25	30	-	-
2400 ~ 2485 MHz		dB	25	34	-	-
2485 ~ 2510 MHz		dB	25	31	-	-
2510 ~ 2555 MHz		dB	1.0	2.3	-	-
2635 ~ 2680 MHz		dB	1.0	3.2		
2680 ~ 2705 MHz		dB	30	36		
2705 ~ 3000 MHz		dB	25	30		
3000 ~ 4000 MHz		dB	25	30		
4000 ~ 4900 MHz		dB	25	36		
4900 ~ 6000 MHz		dB	20	28		
Temperature Coefficient of Frequency		ppm/℃	-	-36	-	-

OUTLINE DRAWING:



Not Specified Tolerance : +/-0.1 mm

Pin Description	
B, C, E	Ground
A	Input
D	Output

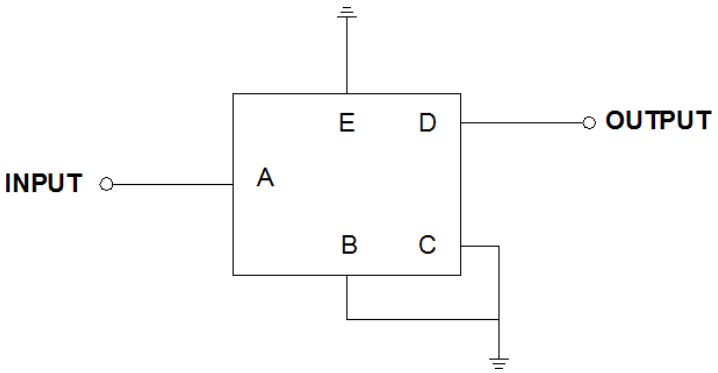
Marking Descriptions

n : Series Number

□ : Year/Month Code .Follow the table. (8-year cycle)

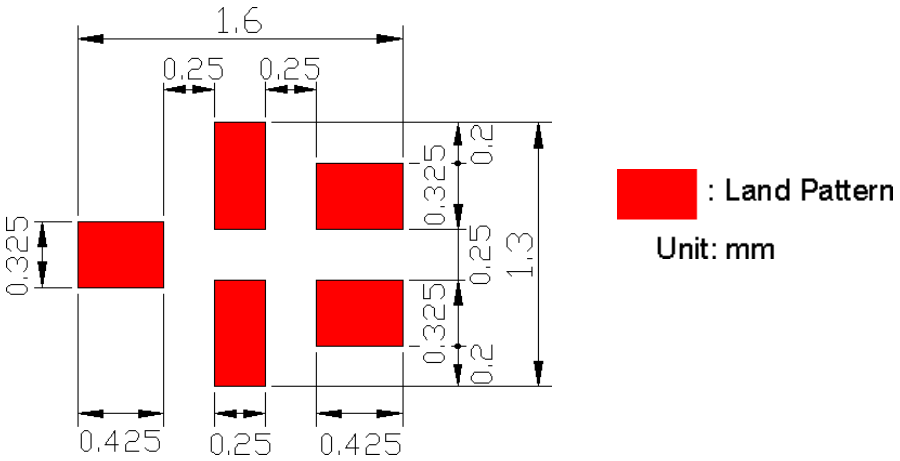
YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013 / 2021	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**J**	**K**	**L**	**M**
2014 / 2022	**N**	**P**	**Q**	**R**	**S**	**T**	**U**	**V**	**W**	**X**	**Y**	**Z**
2015 / 2023	**a**	**b**	**c**	**d**	**e**	**f**	**g**	**h**	**j**	**k**	**l**	**m**
2016 / 2024	**n**	**p**	**q**	**r**	**s**	**t**	**u**	**v**	**w**	**x**	**y**	**z**
2017 / 2025	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**J**	**K**	**L**	**M**
2018 / 2026	**N**	**P**	**Q**	**R**	**S**	**T**	**U**	**V**	**W**	**X**	**Y**	**Z**
2019 / 2027	**a**	**b**	**c**	**d**	**e**	**f**	**g**	**h**	**j**	**k**	**l**	**m**
2020 / 2028	**n**	**p**	**q**	**r**	**s**	**t**	**u**	**v**	**w**	**x**	**y**	**z**

MEASUREMENT CIRCUIT:



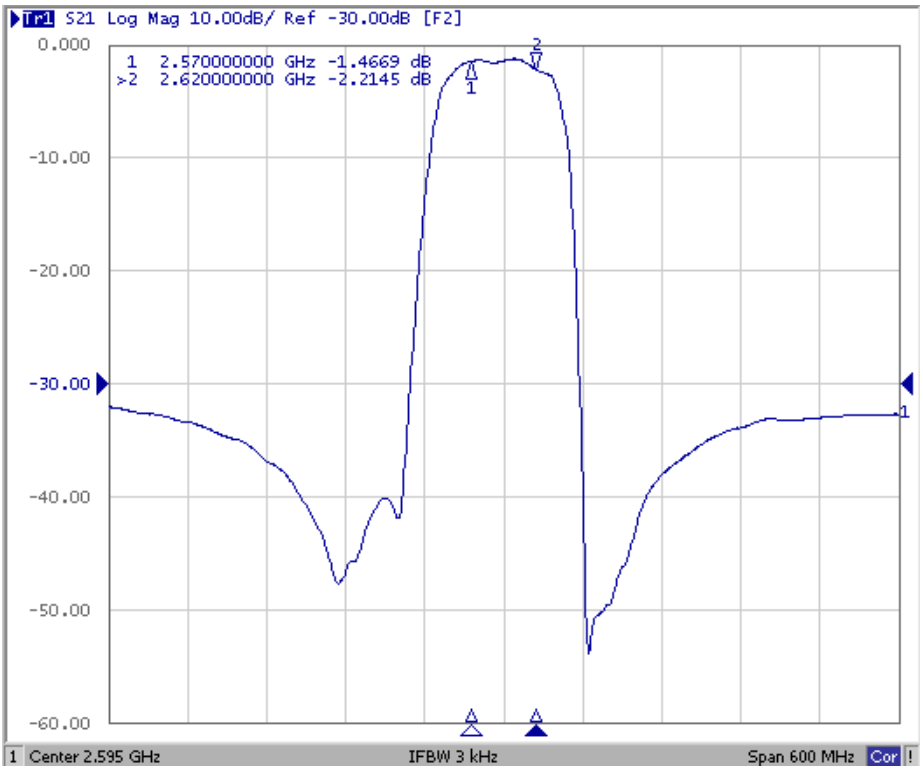
Source & Load Impedance: 50 Ω

PCB Footprint:



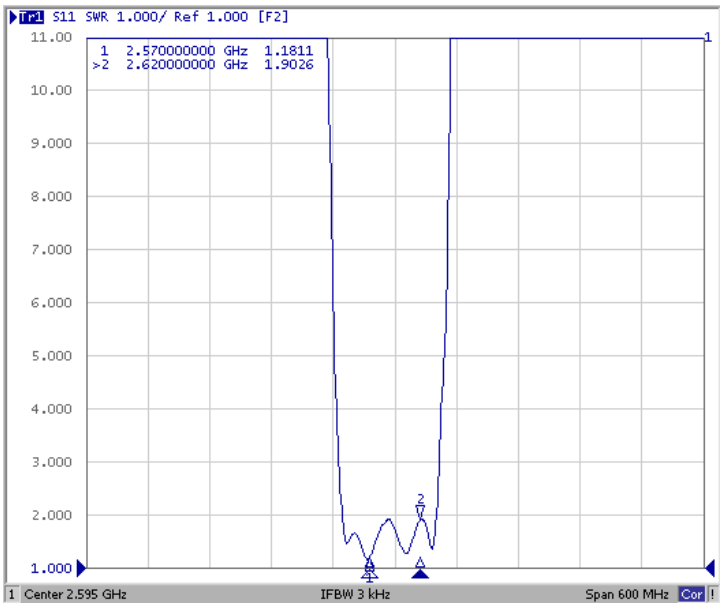
Frequency Characteristics :

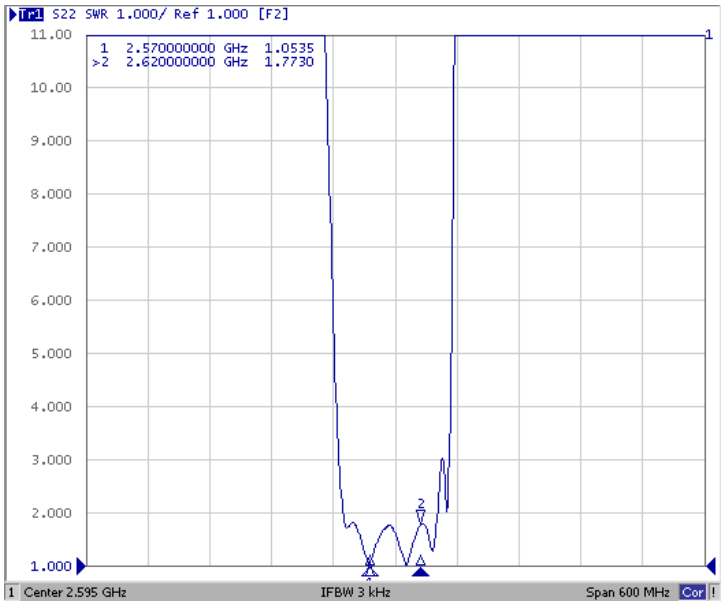
Passband



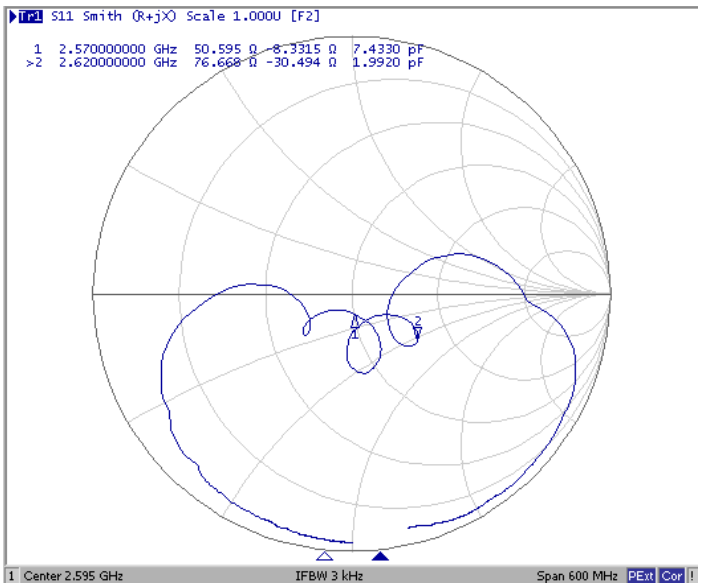
Reflection Functions :

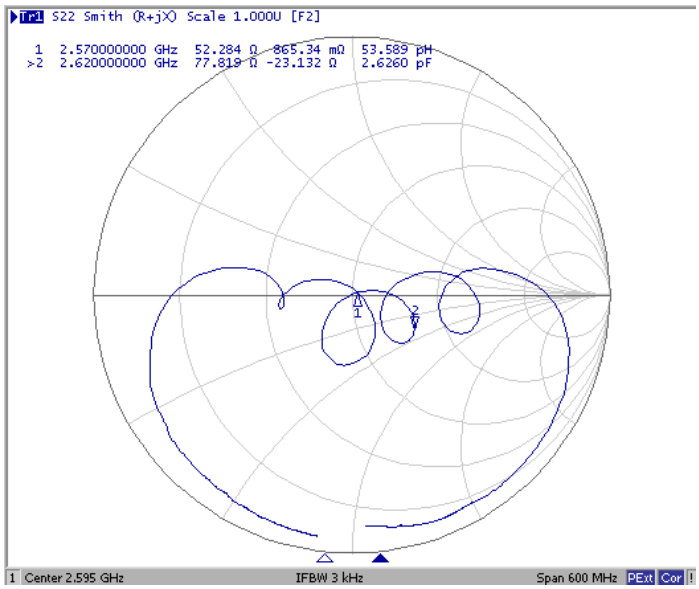
VSWR





Smith Char

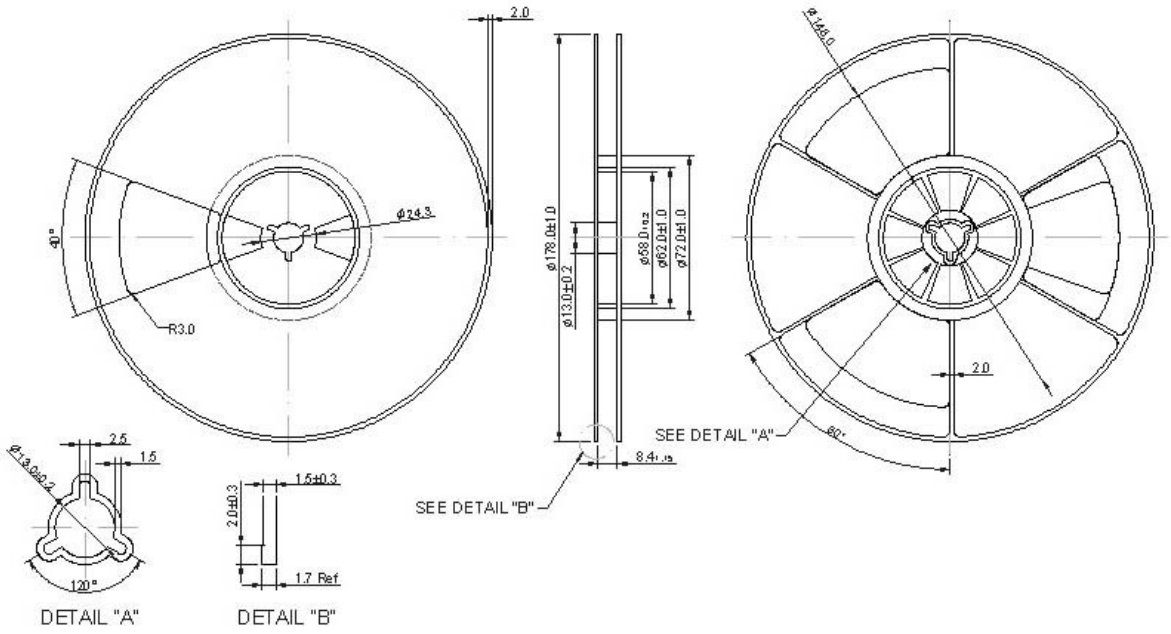




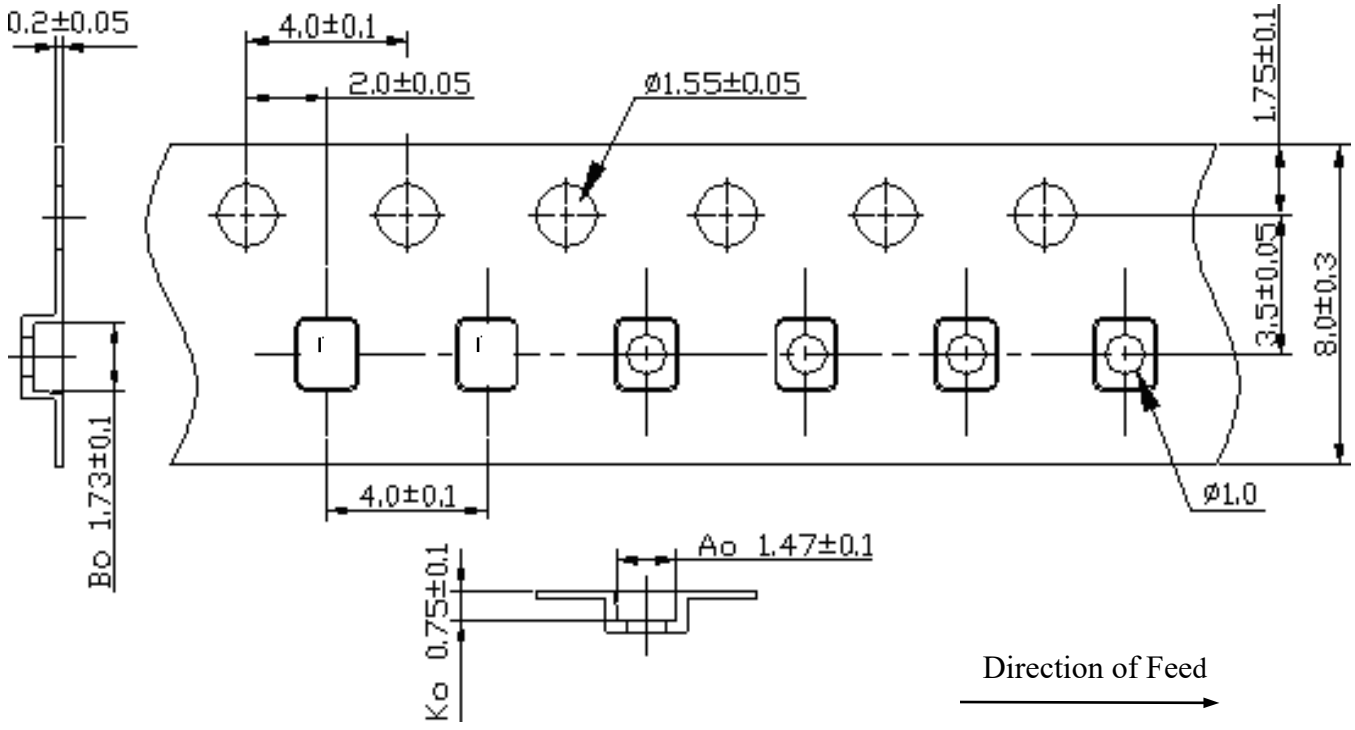
PACKING:

1. REEL DIMENSION

Reel Count"
7" = 3000



3. TAPE DIMENSION



RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 245~260℃ peak (min. 10sec).
4. Time : 2 times.