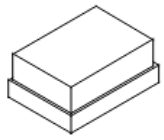
RFMi
BRAND OF AKOUSTIS

RoHS compliant

SF2655K

915 MHz SAW Filter



SM1411-5

MAXIMUM RATING:

1. Input Power Level: 18 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +125°C
5. Moisture Sensitivity Level: Level 3 (MSL 3)
6. ESD 100V(MM) 200V(HBM)

ELECTRICAL CHARACTERISTICS:

Terminating source impedance : $Z_S = 50\ \Omega$

Terminating load impedance : $Z_L = 50\ \Omega$

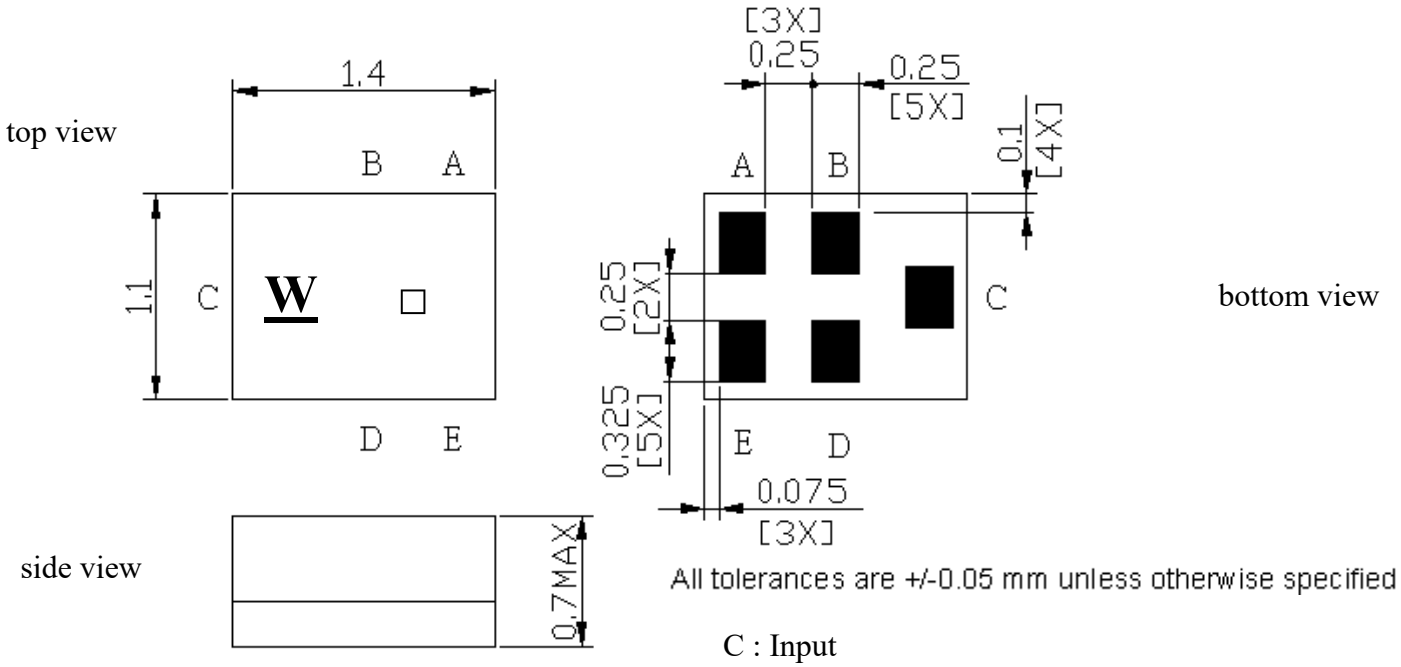
Item		Unit	Min.	Typ.	Max.	Note
Center Frequency	**Fc**	MHz	-	915	-	-
Insertion Loss (902~928 MHz)	**IL**	dB	-	1.9	2.5	-
Amplitude ripple (902~928 MHz)		dB	-	0.8	1.5	-
VSWR (902~928 MHz)			-	1.6	2	-
Group Delay Deviation (902~928 MHz)		ns	-	11	50	-
Attenuation (reference level from 0 dB)						
10~800 MHz		dB	42	46	-	-
800~845 MHz		dB	40	44	-	-
845~880 MHz		dB	35	38	-	-
947~970 MHz		dB	13	28	-	-
970~1020 MHz		dB	33	47	-	-
1020~1200 MHz		dB	35	43	-	-
1200~3000 MHz		dB	28	35	-	-
Temperature Coefficient of Frequency		ppm/℃	-	-36	-	-

CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

NOTES:

1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

OUTLINE DRAWING:



C : Input

A : Output

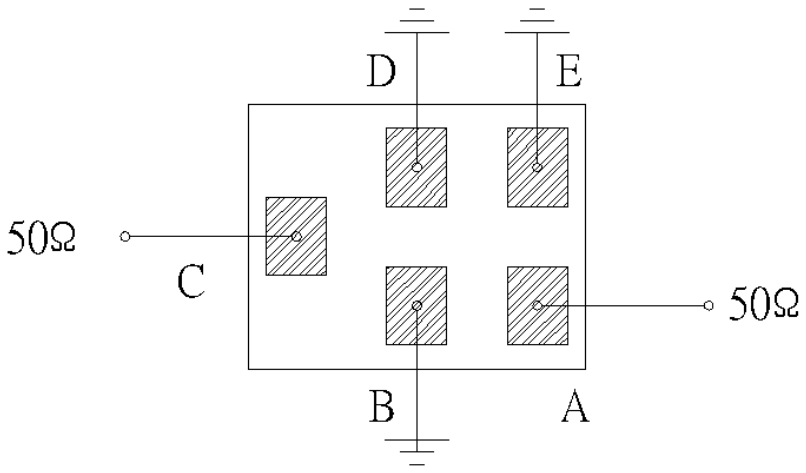
B,D,E : Ground

Unit : mm

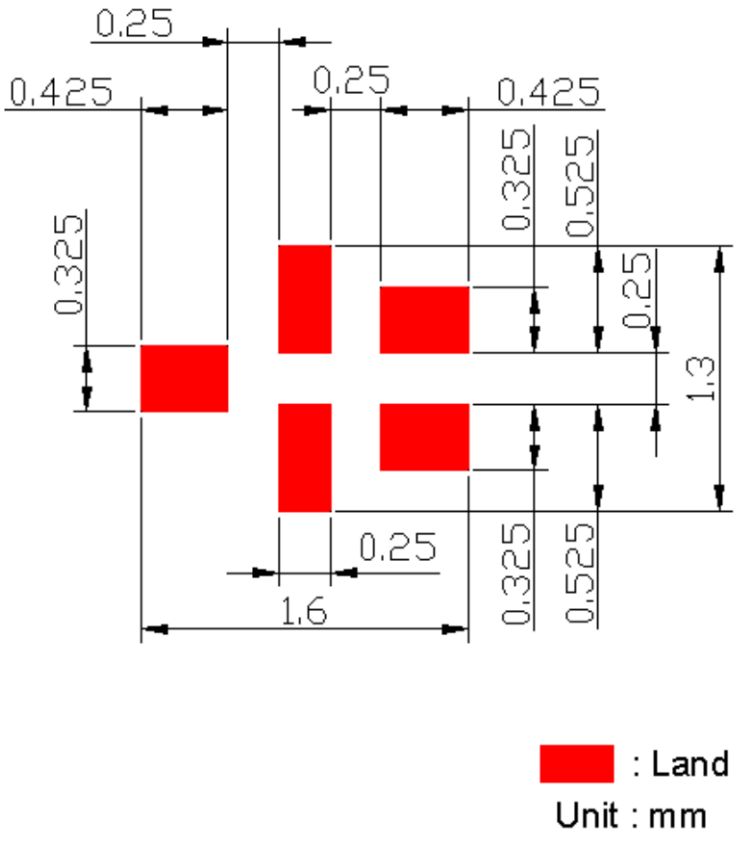
□ : Year/Month Code (Follow the table) (8-year cycle)

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:



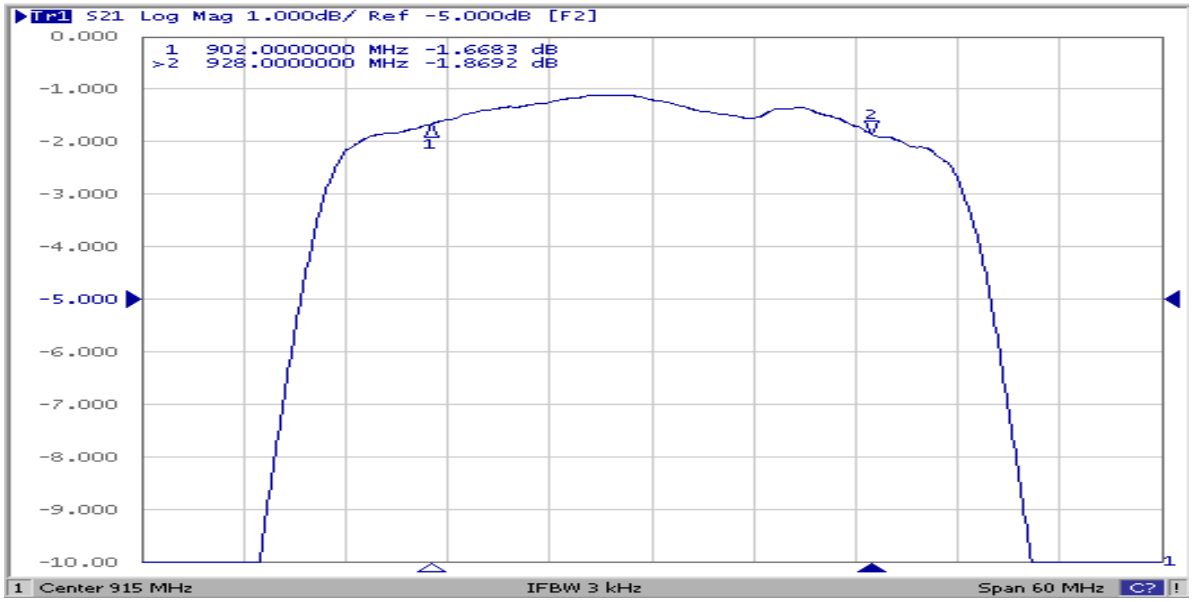
PCB Footprint:

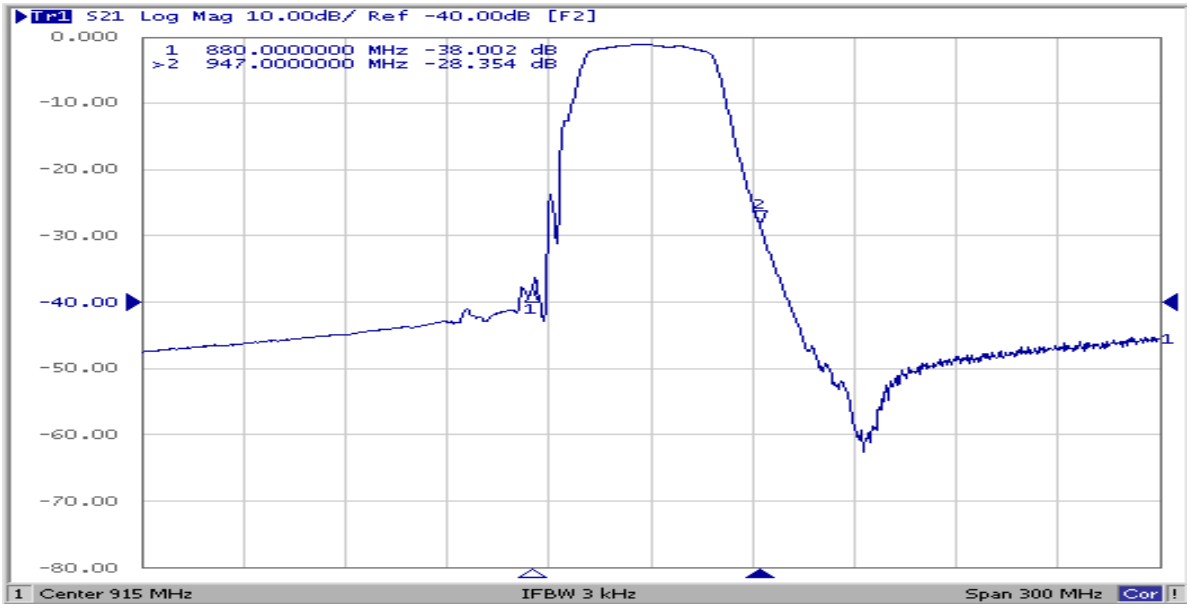


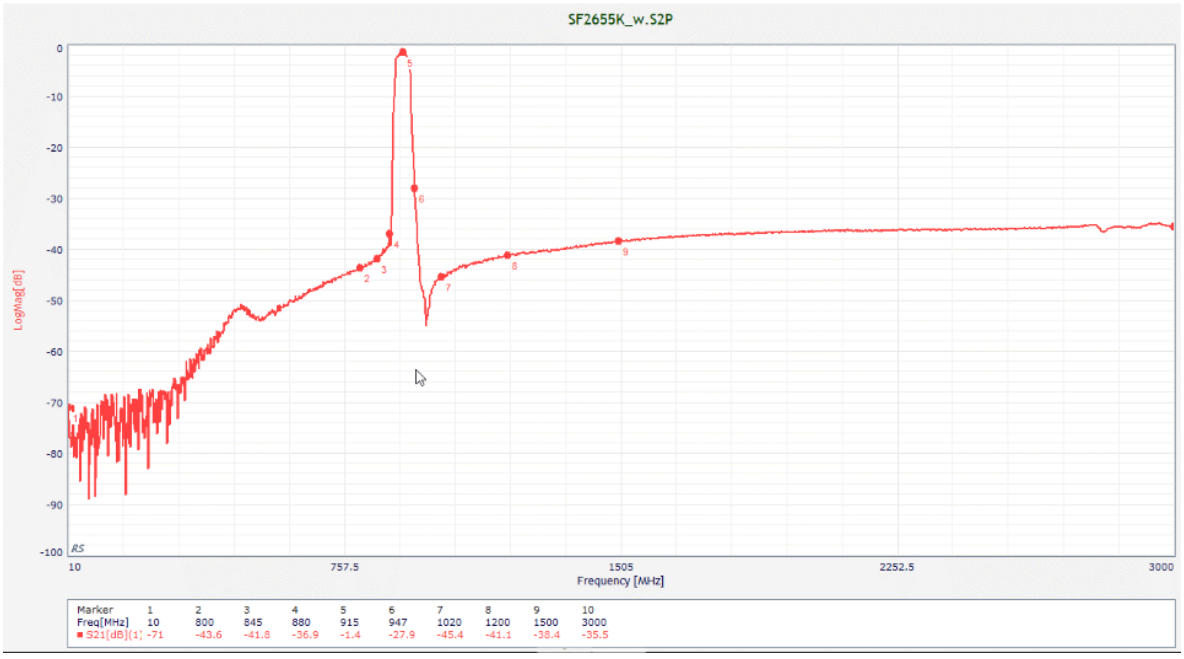
: Land Pattern

Unit : mm

Frequency Characteristics :

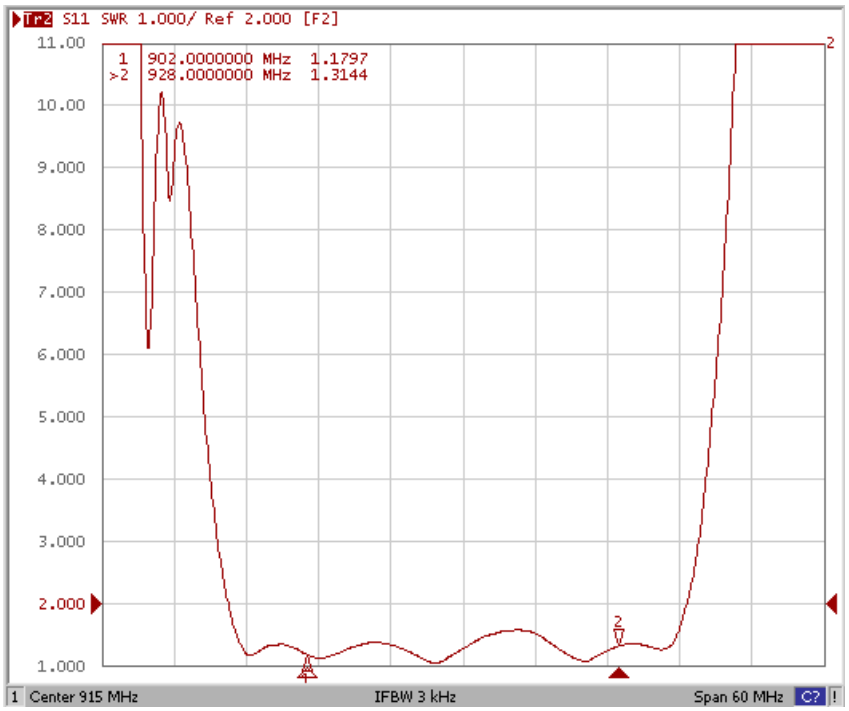




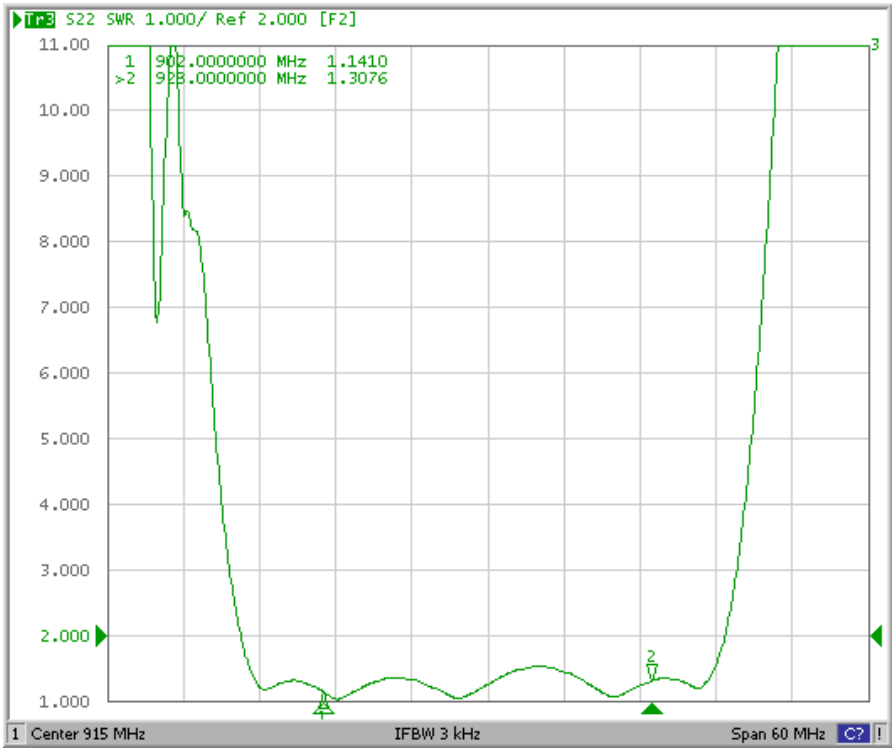


Reflection Functions :

S11



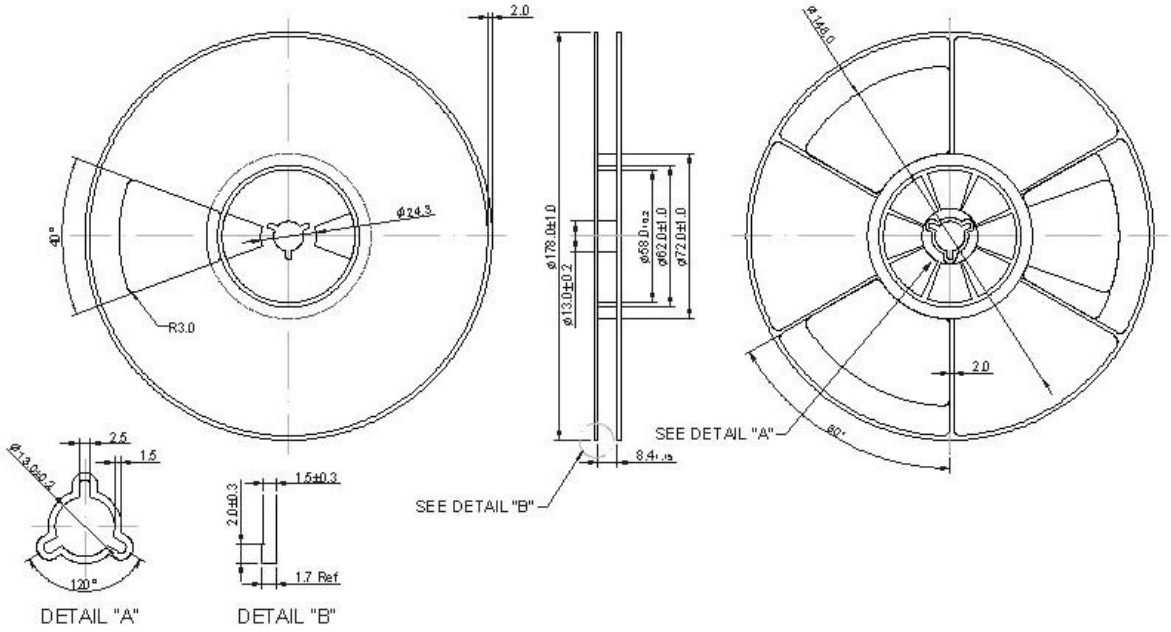
S22



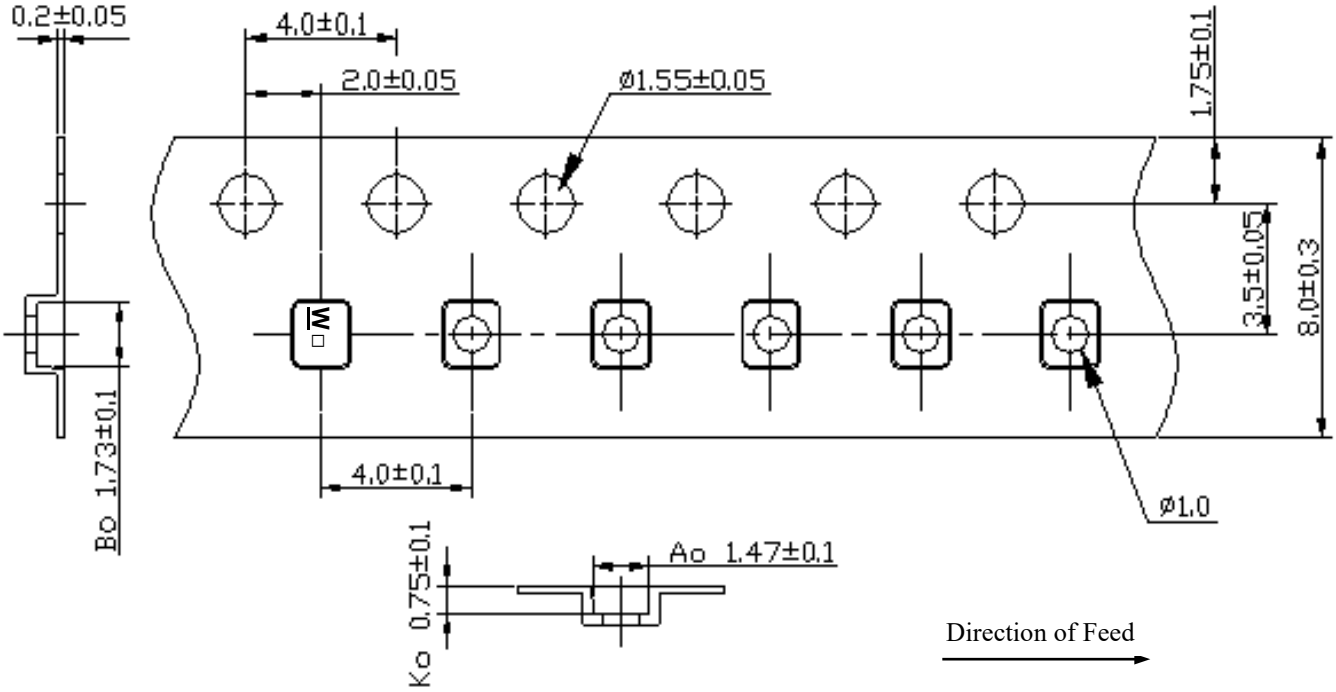
PACKING:

1. REEL DIMENSION

(Reel Count : 7”=3000)



2.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.