

SAW Filter 751.0MHz
Part No: MP07852

Model: TA2062A
Rev No: 1

A. MAXIMUM RATING:

1. Operating temperature range: -30°C to +85°C
2. Storage temperature range: -30°C to +85°C
3. Input power: 10dBm
4. Maximum DC Voltage: ±3V
5. Moisture Sensitivity Level: Level 1 (MSL 1)
6. ESD 100V (MM) 200V (HBM)

B. ELECTRICAL CHARACTERISTICS:

1. Terminating source impedance: $Z_S = 50\Omega$
2. Terminating load impedance: $Z_L = 50\Omega$

Parameters Description		Unit	Min	Typ.	Max	Remarks
Insertion Loss	746 ~ 756MHz	dB (*1)	-	1.9	2.5	
Amplitude ripple	746 ~ 756MHz	dB	-	0.5	2	
VSWR	Input		-	1.7	2	
	Output		-	1.7	2	
Attenuation:						
50~ 686 MHz		dB	30	40	-	
777 ~ 787 MHz		dB	44	50	-	
1710 ~ 1755 MHz		dB	40	45	-	
1850 ~ 1910 MHz		dB	38	44	-	
2400 ~ 2500 MHz		dB	35	41	-	
4900 ~ 6000 MHz		dB	25	35	-	
Input impedance		Ω	50			single-ended
Output impedance		Ω	50			single-ended

(*1) Specification of insertion loss excludes loss that comes from the test board.

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C. FREQUENCY CHARACTERISTICS:

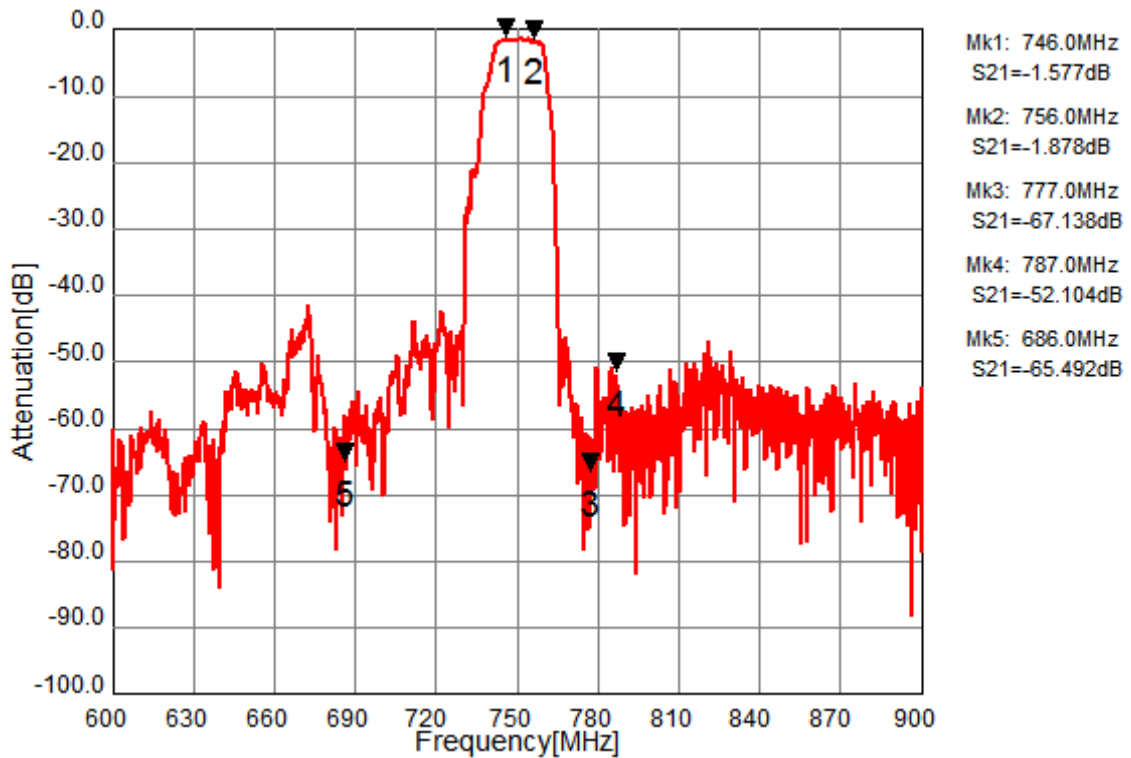


Fig. 1 Pass-band Characteristics

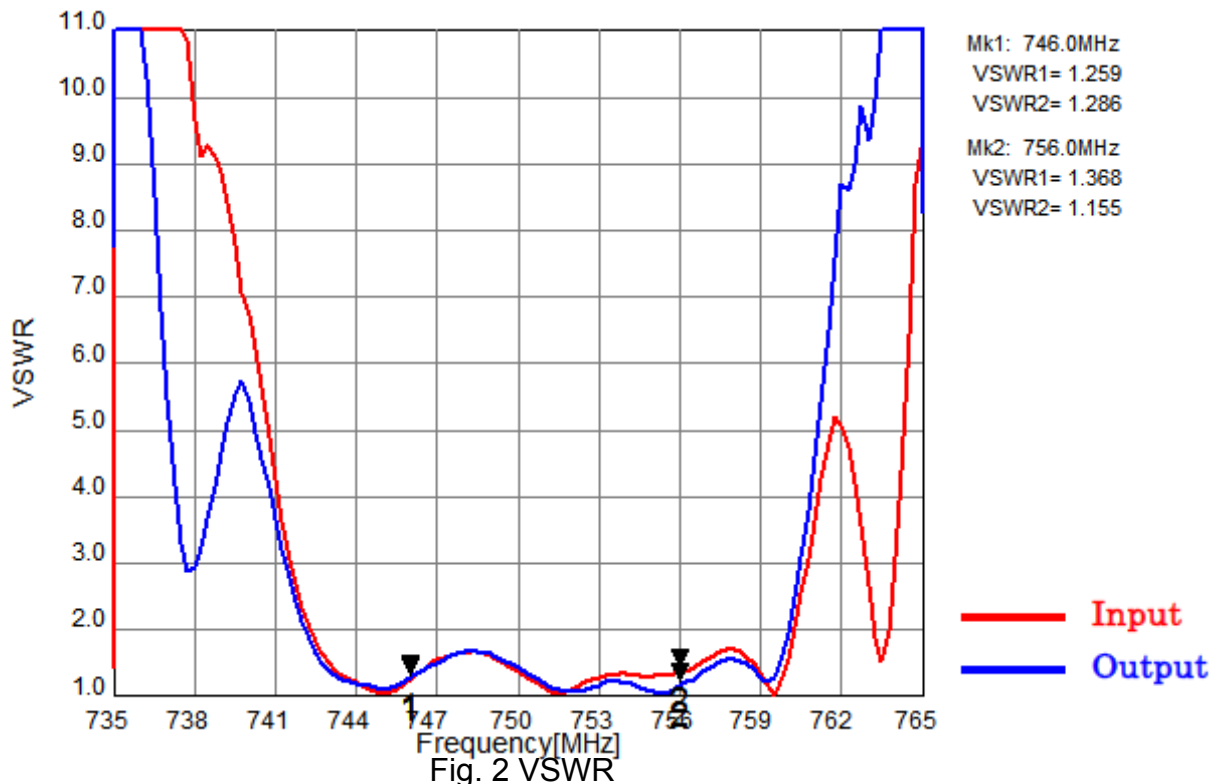


Fig. 2 VSWR

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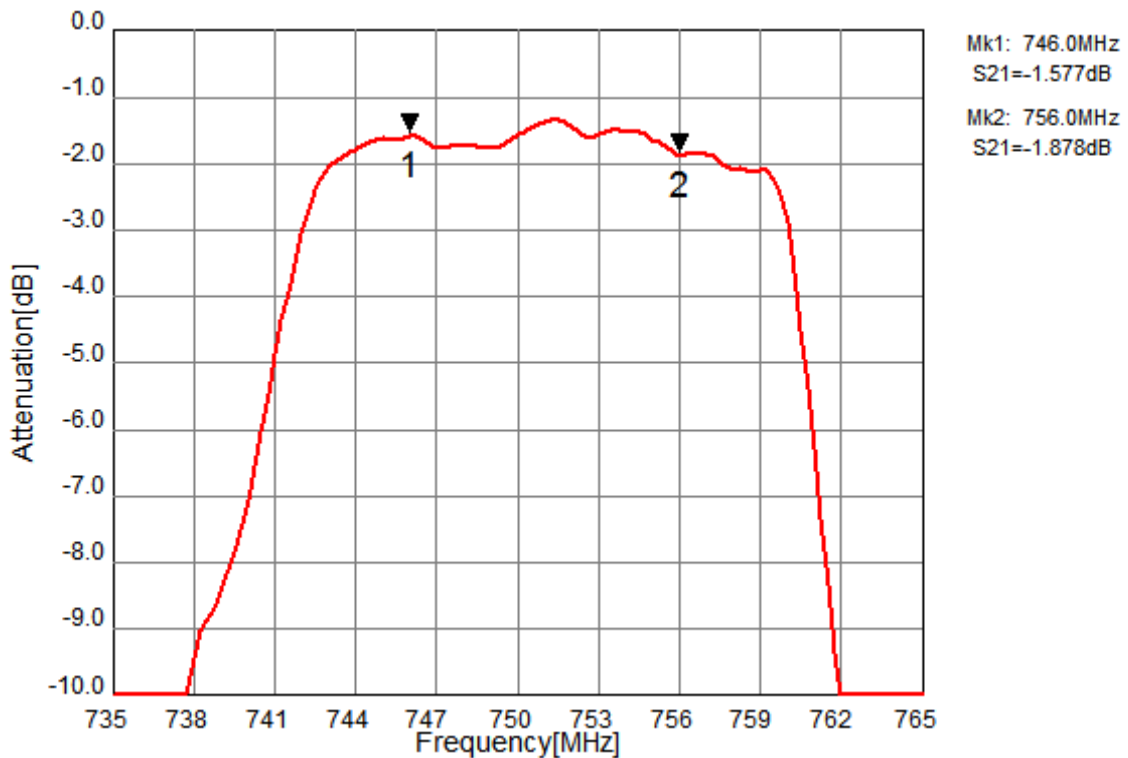


Fig.3 In-band Characteristics

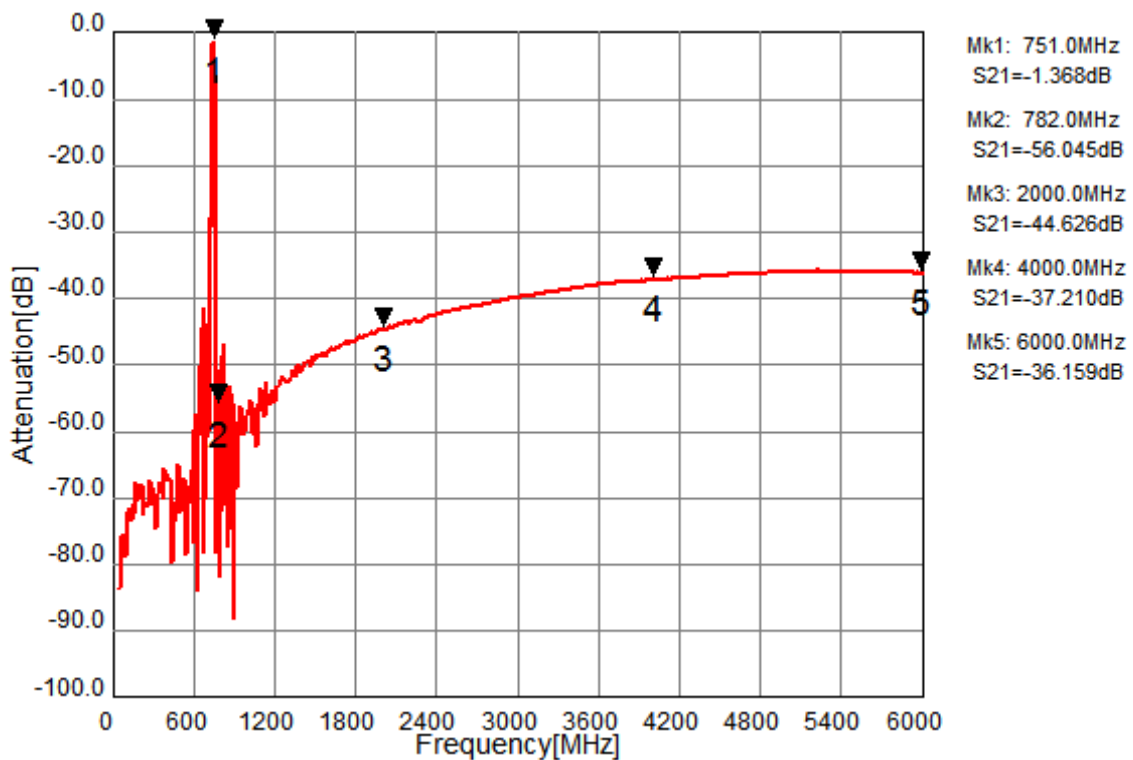


Fig. 4 Wide-band Characteristics

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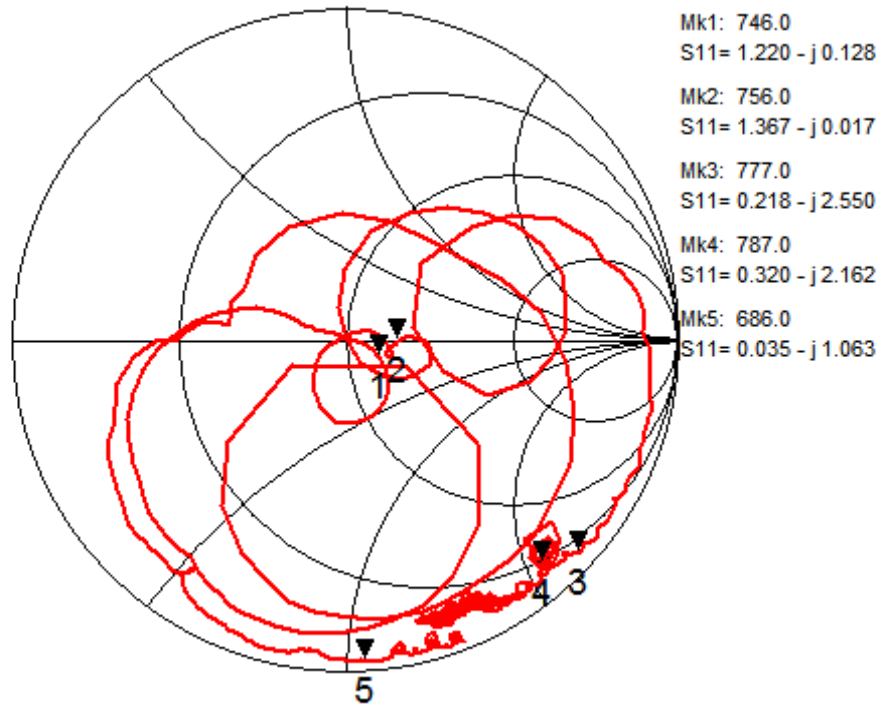


Fig. 5 Impedance (Input)

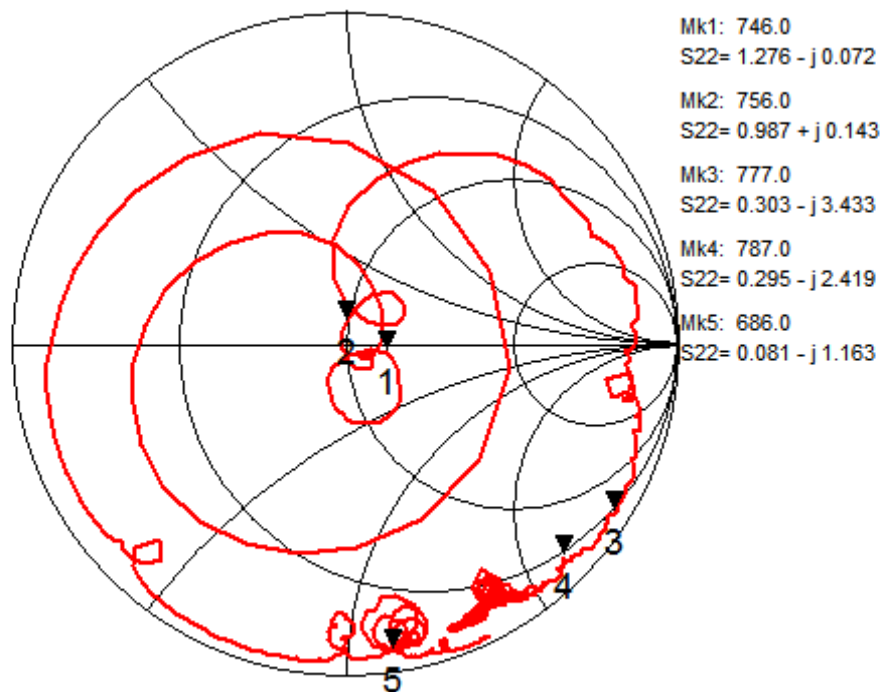
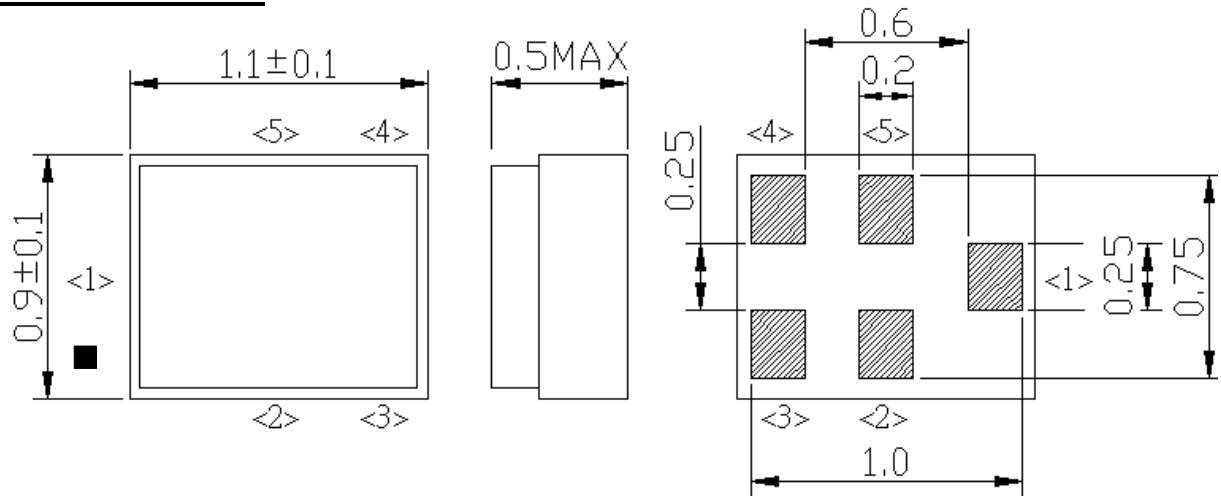


Fig. 6 Impedance (Output)

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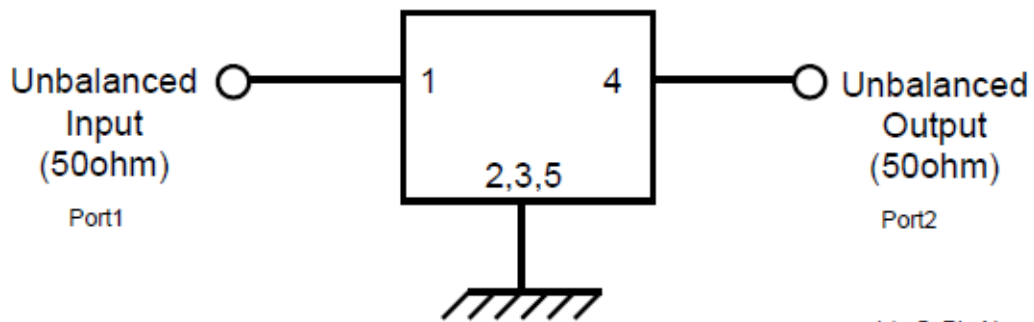
D. OUTLINE DRAWING:



Pin Configuration

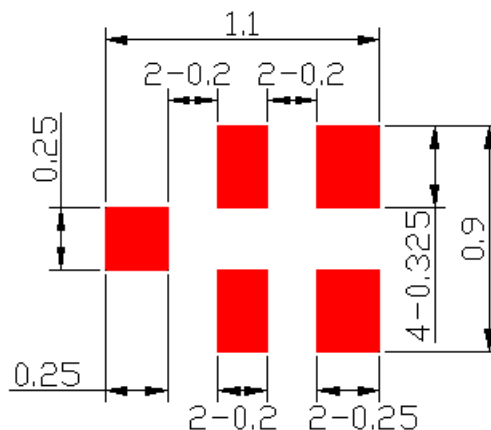
Pin No.	Symbol	Function
1	IN	Unbalanced pin
2	GND	Ground
3	GND	Ground
4	OUT	Unbalanced pin
5	GND	Ground

E. EVALUATION CIRCUIT



1 to 5: Pin No.

F. PCB FOOTPRINT:



: Land Pattern

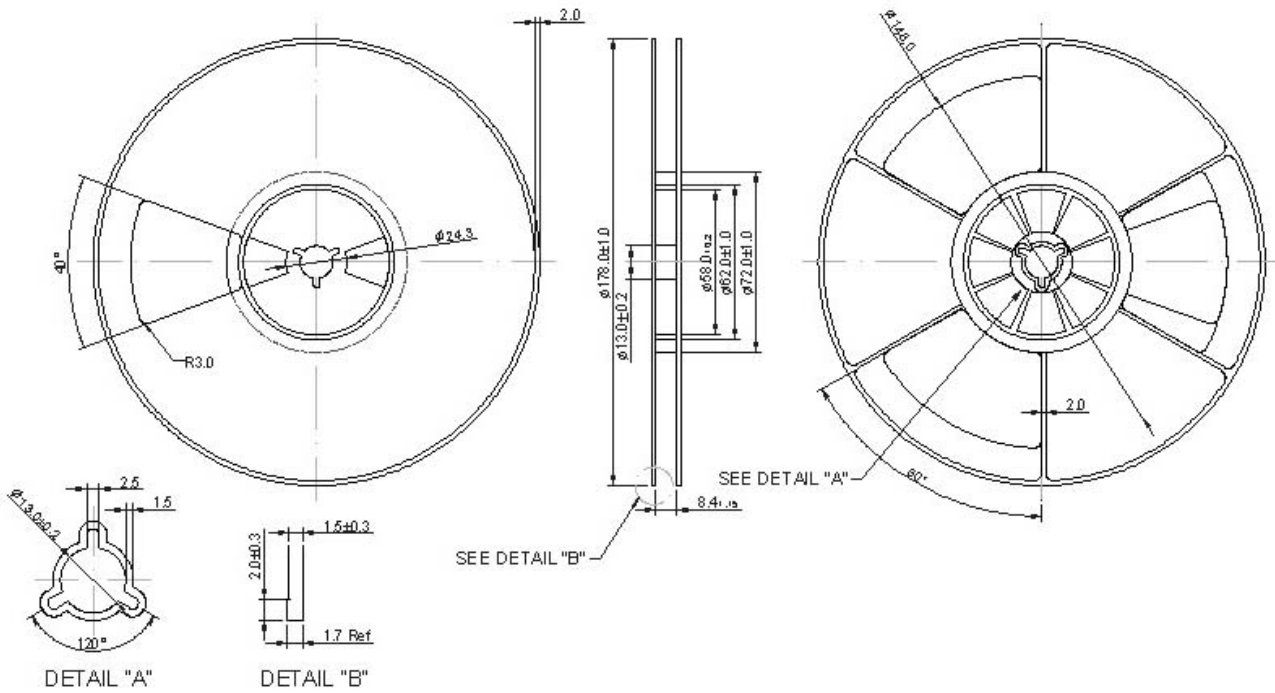
Unit: mm

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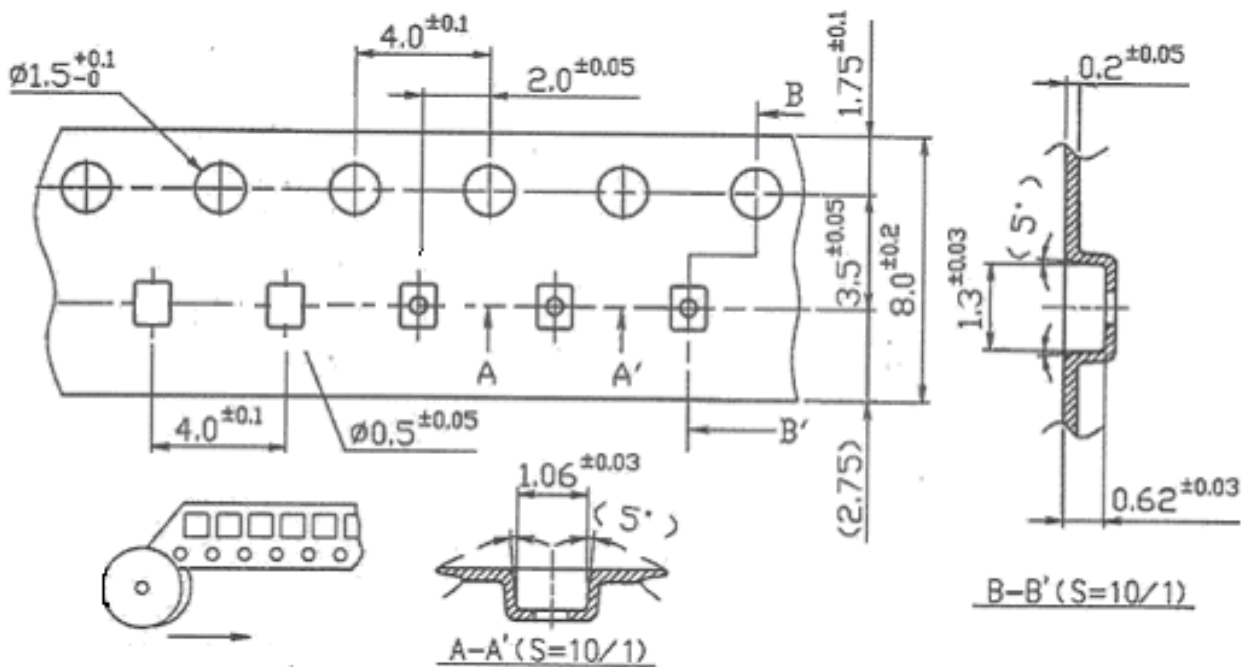
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G. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

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

