

SAW Filter 1732.50MHz
Part No: MP07841

Model: TA1872A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

Operating Temperature: -30°C to +85°C

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.
Center Frequency		MHz	-	1732.5	-
Insertion Loss(*1)	1710 ~ 1755MHz	dB	-	1.7	2.0
Amplitude ripple	1710 ~ 1755MHz	dB	-	0.7	1.2
VSWR(Input)	1710 ~ 1755MHz	-	-	1.7	2.1
VSWR(Output)	1710 ~ 1755MHz	-	-	1.7	2.1
Attenuation:					
50 ~ 1355MHz		dB	30	35	-
1574 ~ 1577MHz		dB	30	40	-
1600 ~ 1680MHz		dB	18	26	-
1805 ~ 1880MHz		dB	20	24	-
1930 ~ 1990MHz		dB	25	35	-
2110 ~ 2170MHz		dB	34	37	-
2200 ~ 2700MHz		dB	20	33	-
2700 ~ 3800MHz		dB	20	29	-
3800 ~ 6000MHz		dB	10	21	-

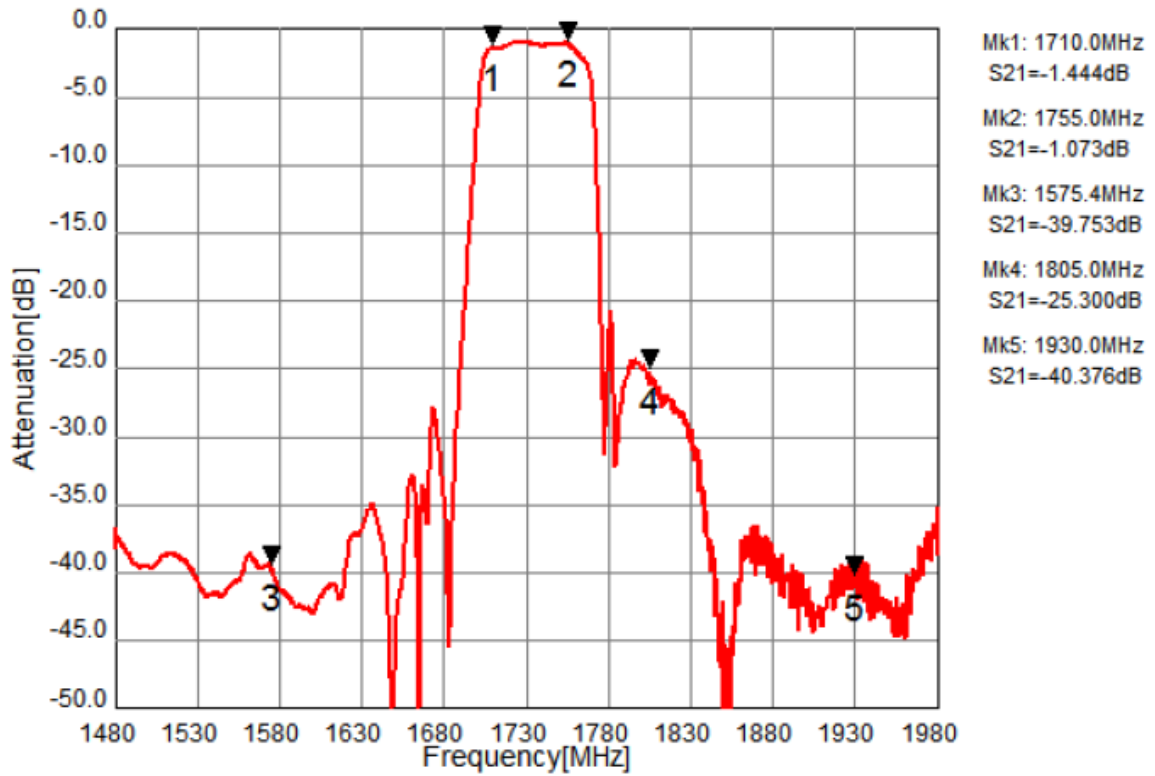
(*1) Specification of insertion loss includes loss that comes from the test board. (0.1dB)

SAW Filter 1732.50MHz
Part No: MP07841

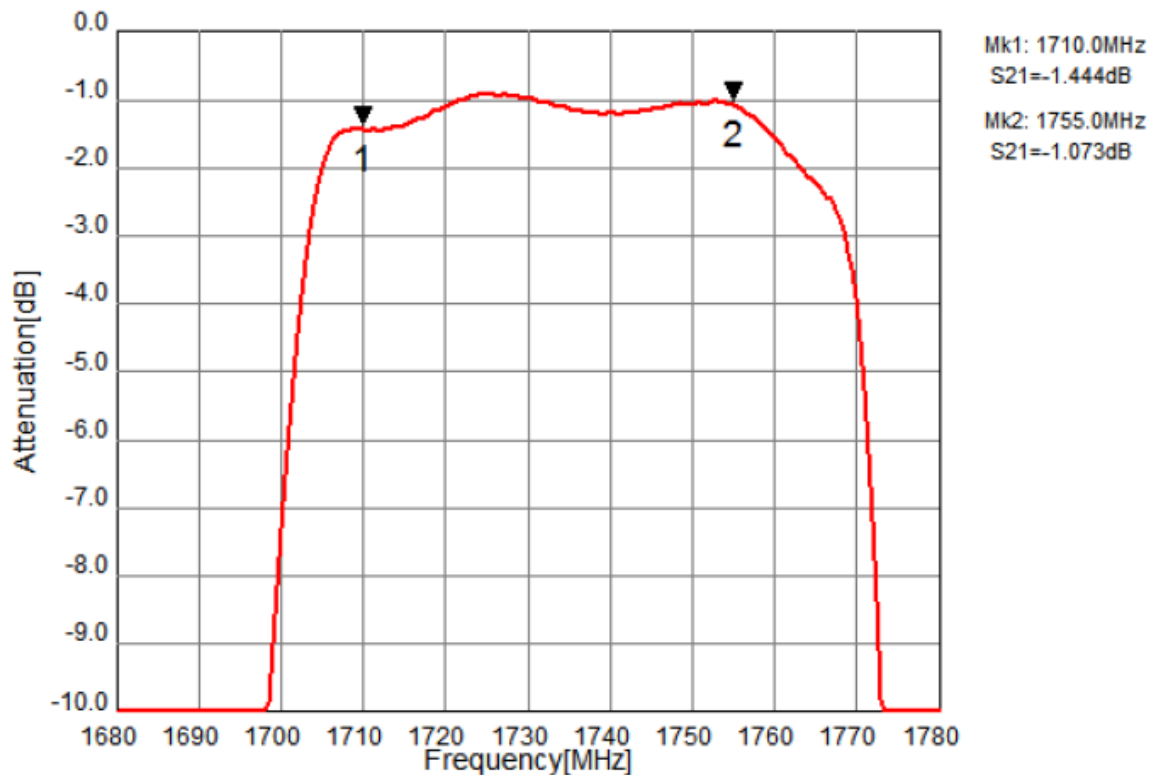
Model: TA1872A
Rev No: 1

C. FREQUENCY CHARACTERISTICS:

1. Pass-band



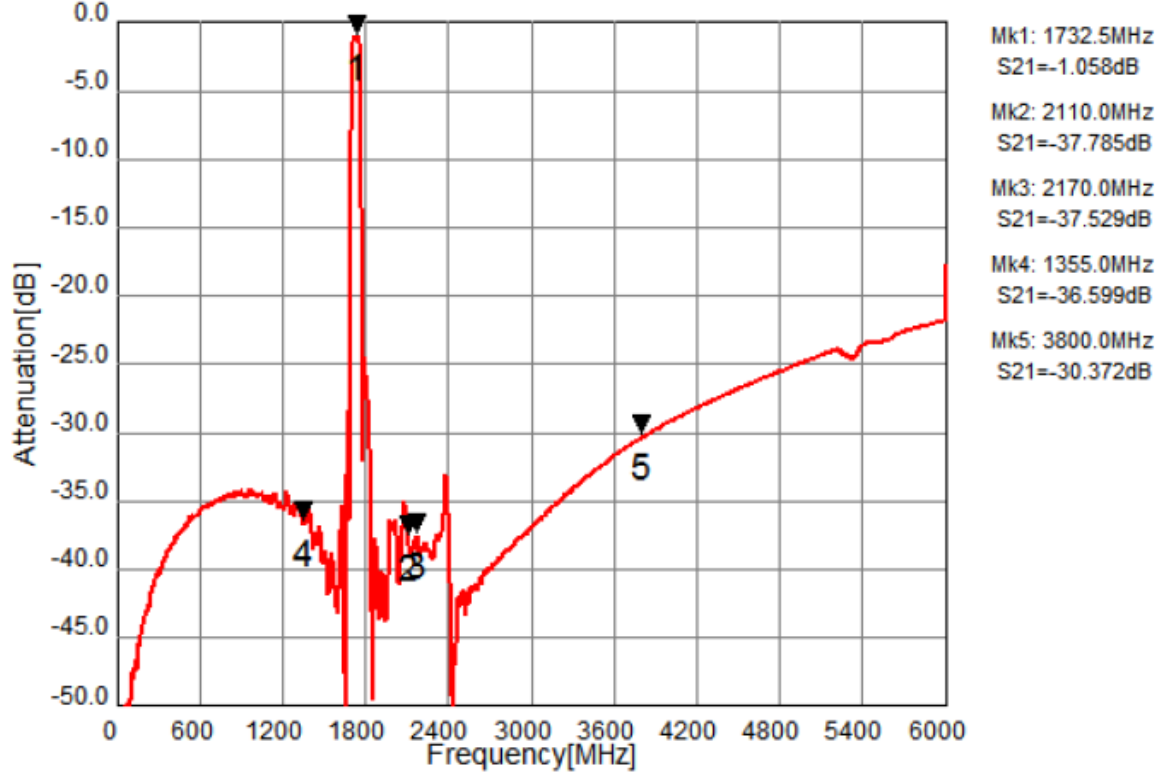
2. In-band



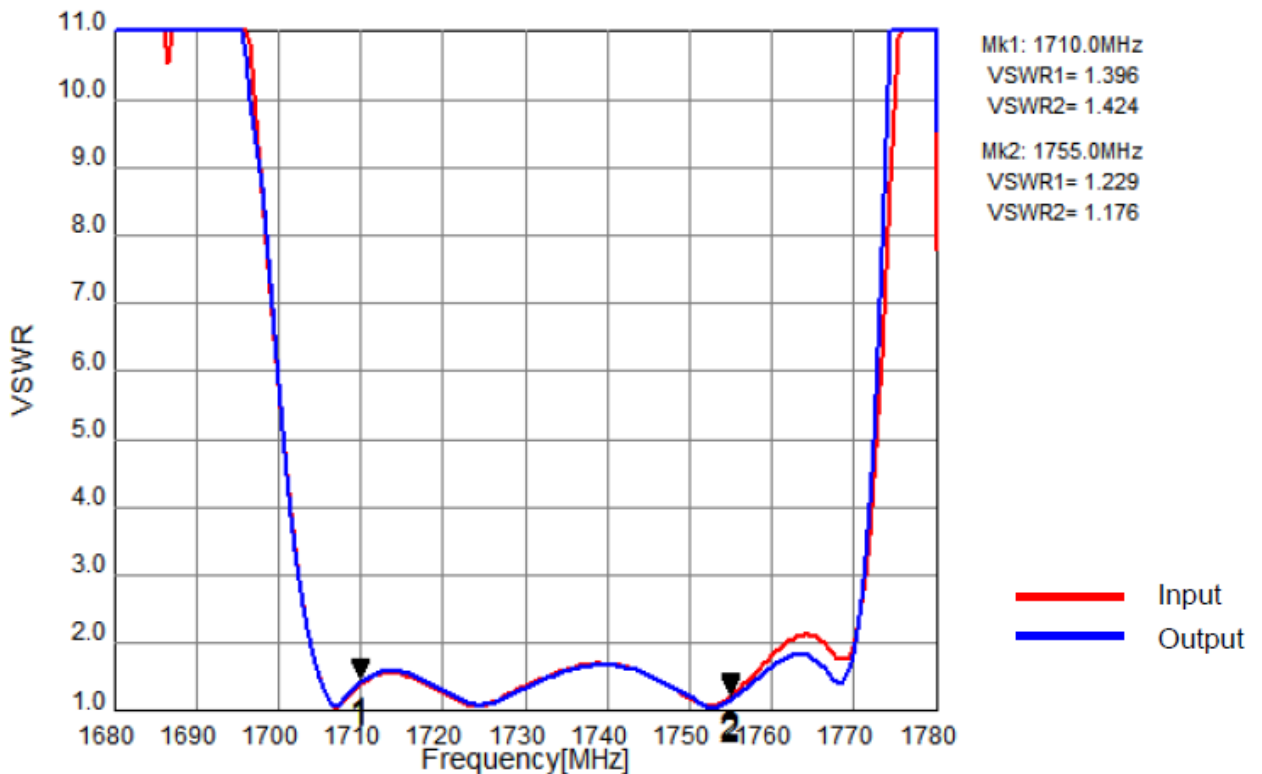
SAW Filter 1732.50MHz
Part No: MP07841

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Rev No: 1

3. Wide-band



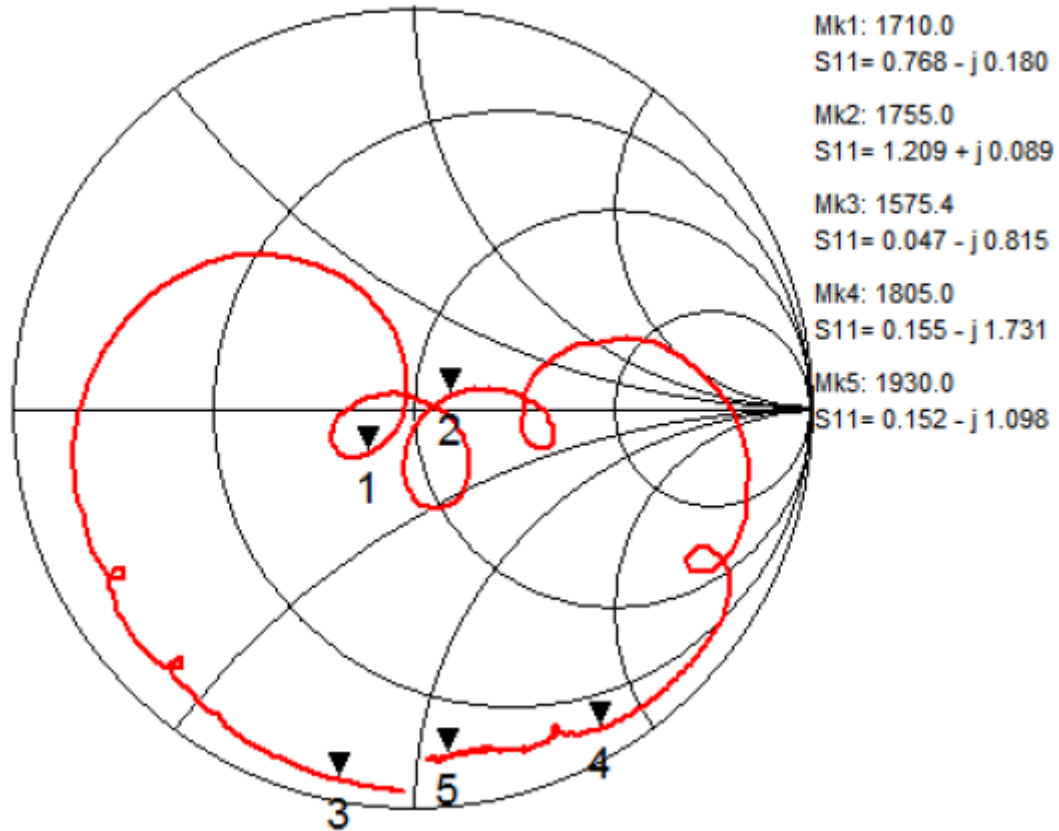
4. VSWR



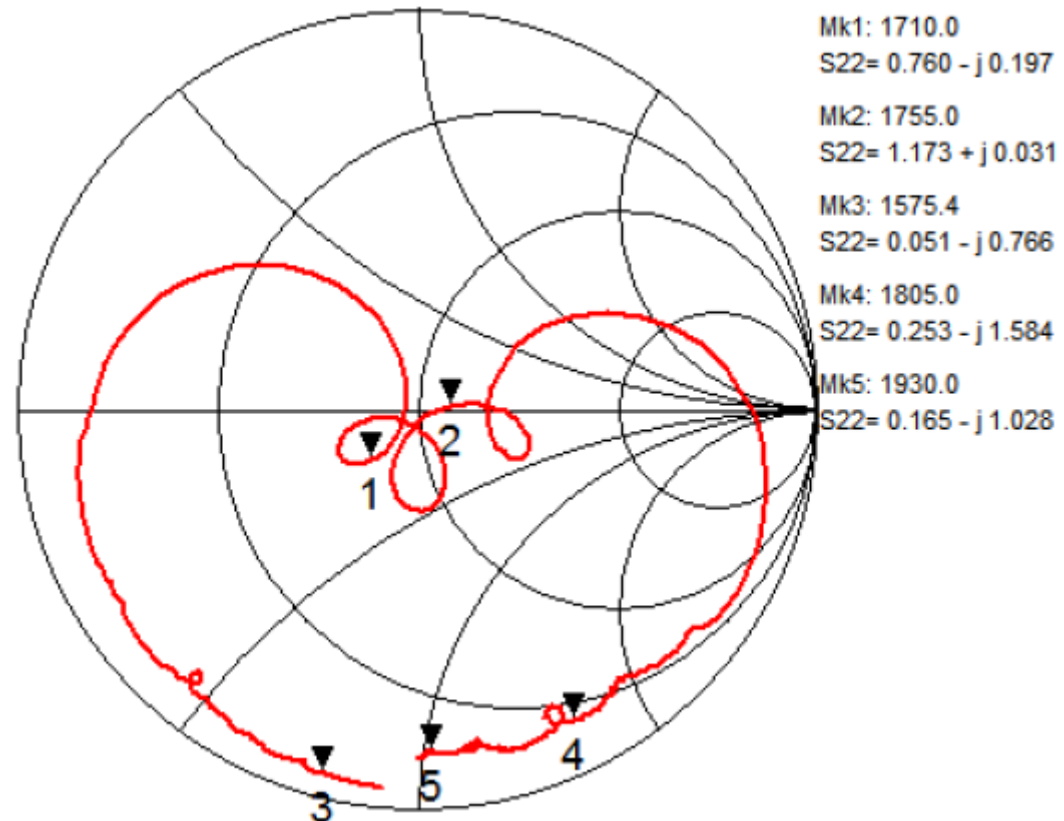
SAW Filter 1732.50MHz
Part No: MP07841

Model: TA1872A
Rev No: 1

5. Input Impedance



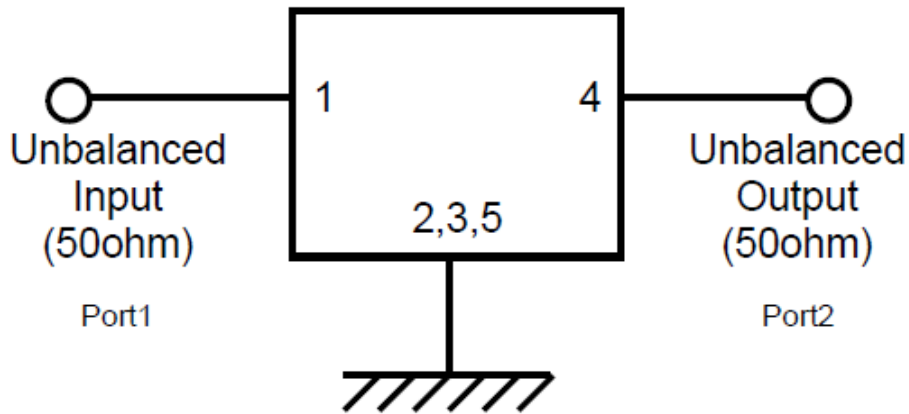
6. Output Impedance



SAW Filter 1732.50MHz
Part No: MP07841

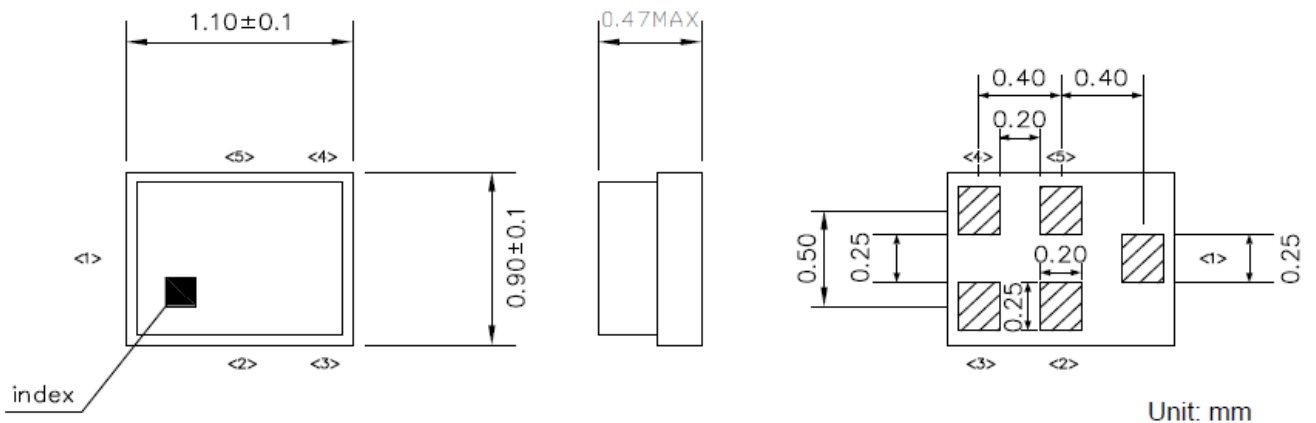
Model: TA1872A
Rev No: 1

D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:

Device size: 1.1typ. x 0.9typ. x 0.47max.



Pin Configuration

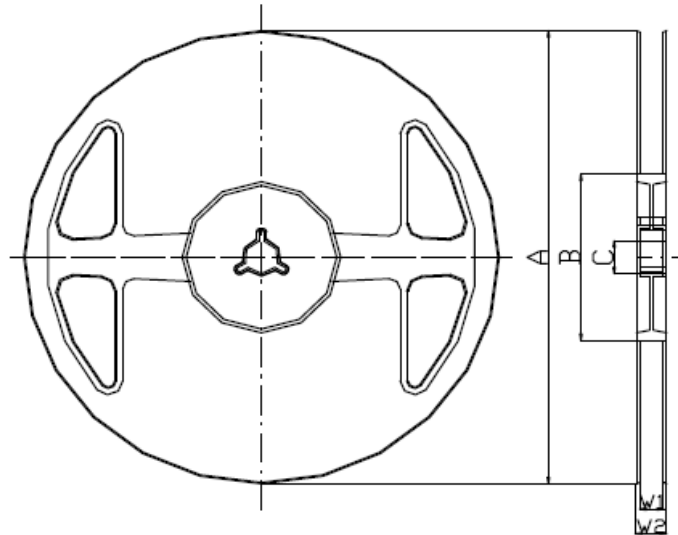
Pin No.	Symbol	Function
1	IN	Unbalanced pin
2	GND	Ground
3	GND	Ground
4	OUT	Unbalanced pin
5	GND	Ground

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F. PACKING:

1. Reel Dimension



Materials of Reel

Material : Polystyrene + Carbon

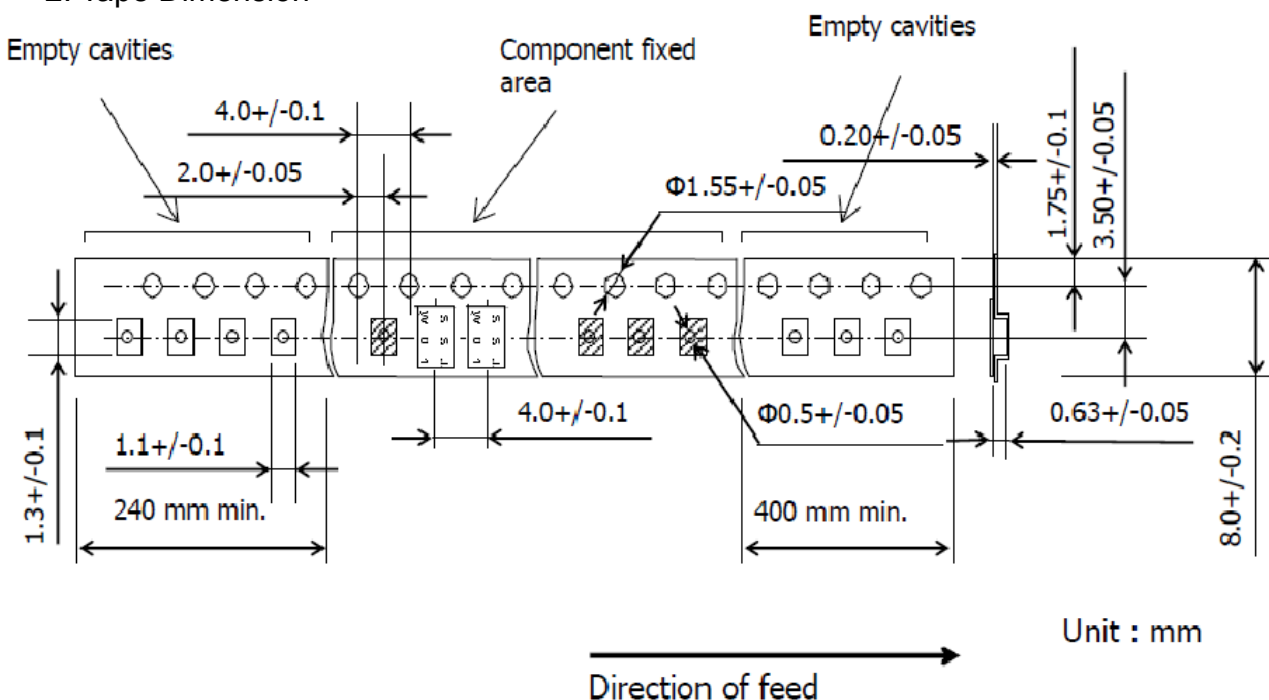
Color : Black

Surface resistance (reference value) : $10^9 \Omega/\text{sq Max.}$

Unit : mm

Code	Quantity	A	B	C	W1	W2
J	5,000 pcs	$\phi 180.0 +0.0/-1.5$	$\phi 66.0 +/-0.5$	$\phi 13.0 +/-0.2$	$9.0 +1.0/-0.0$	$11.4 +/-1.0$

2. Tape Dimension



Unit : mm

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G. RECOMMENDED REFLOW PROFILE:

