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Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

SAW Filter: 1740.0MHz — Model: TA1695A
Part No: MP07465 — Rev No: 2

A. MAXIMUM RATING:

Electrostatic **S**ensitive **D**evice (**ESD**)

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

1. Terminating source impedance: Z_S = 50Ω
2. Terminating load impedance: Z_L = 50Ω

Parameters Description	Unit	Min.	Typ.	Max.
Center Frequency (Fc)	MHz	-	1740	-
Insertion Loss within 1710.0 ~ 1770.0MHz	dB	-	1.5	2.7
Amplitude Ripple within 1710.0 ~ 1770.0MHz	dB p-p	-	0.7	1.8
Attenuation:				
800.0 ~ 1355.0MHz	dB	30	37	-
1574.0 ~ 1577.0MHz	dB	30	52	-
1600.0 ~ 1680.0MHz	dB	12	22	-
1805.0 ~ 1880.0MHz	dB	17	24	-
1930.0 ~ 1990.0MHz	dB	30	36	-
2110.0 ~ 2170.0MHz	dB	30	44	-
VSWR within 1710.0 ~ 1770.0MHz		-	2.0	2.5

Notes: (1) With Matching Network (Ref. Testing Environment Circuit as shown below).

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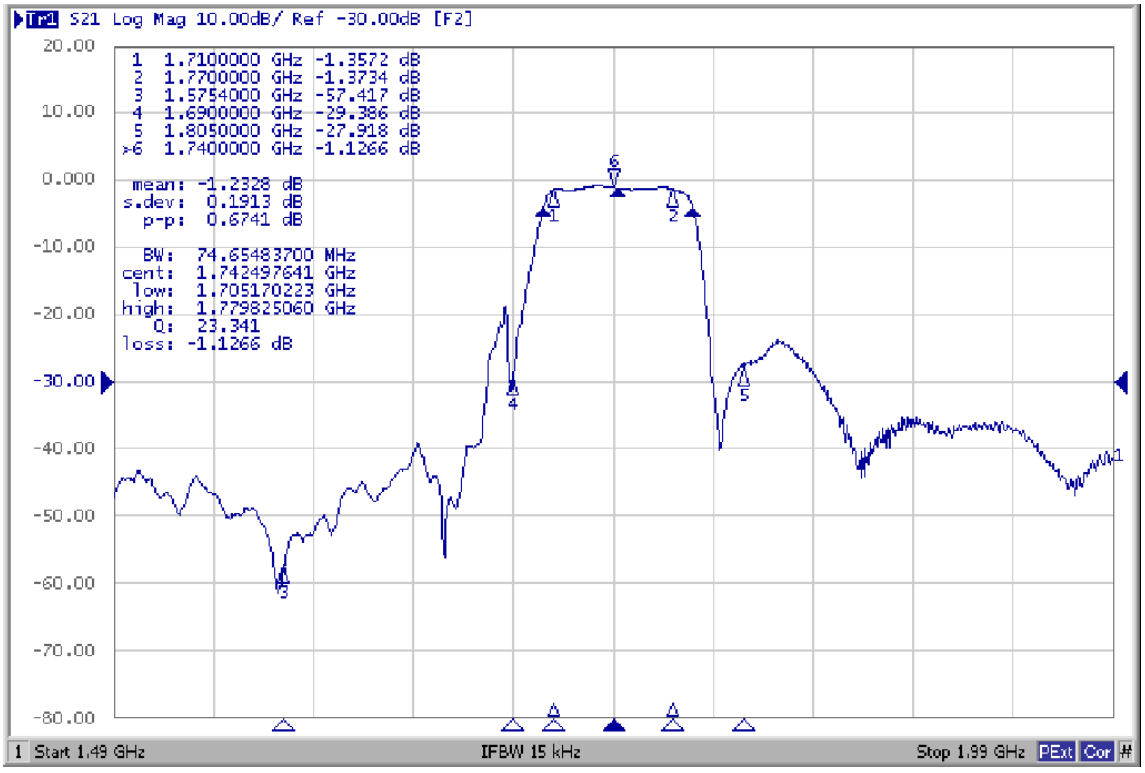
C. FREQUENCY CHARACTERISTICS:

1. Frequency Response



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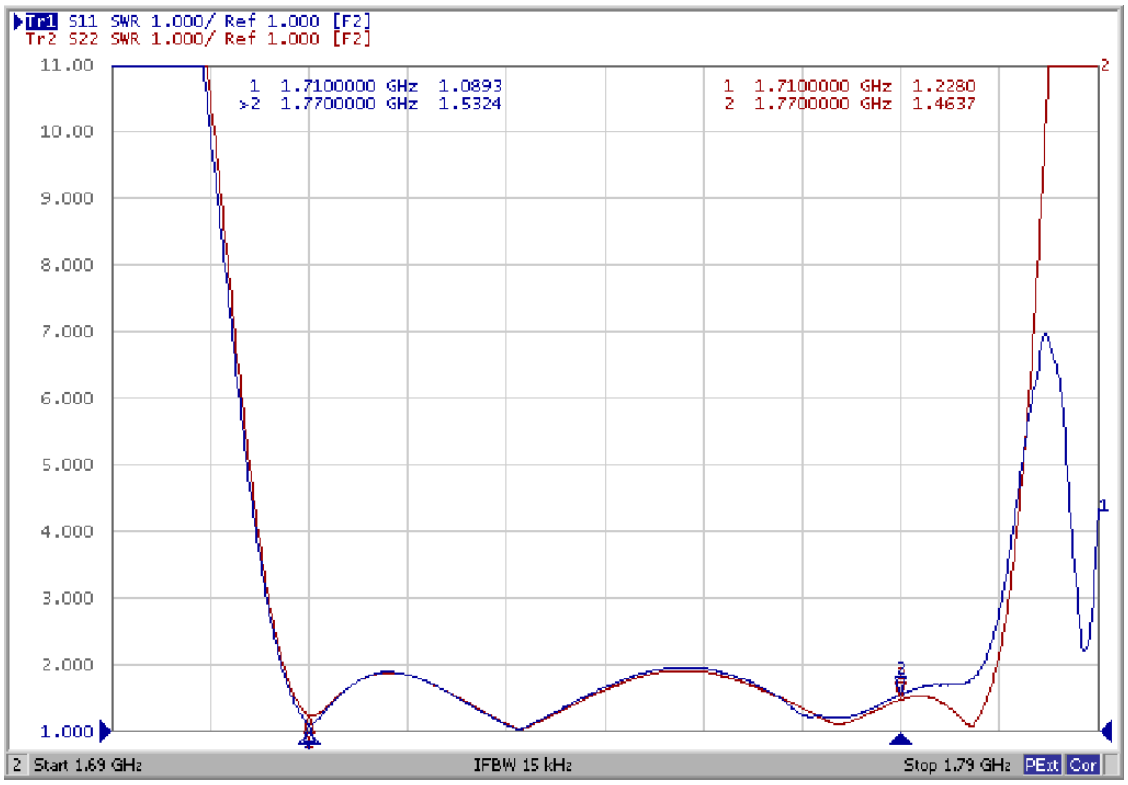
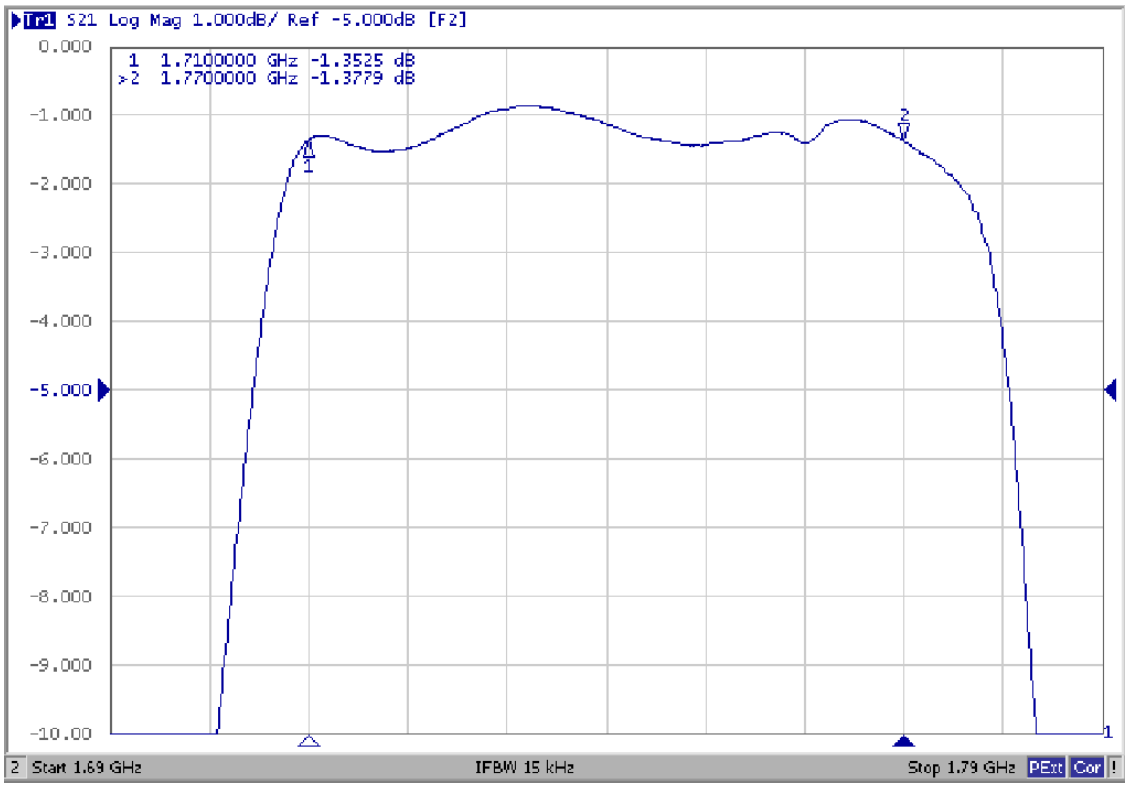
2. VSWR



3. Ripple



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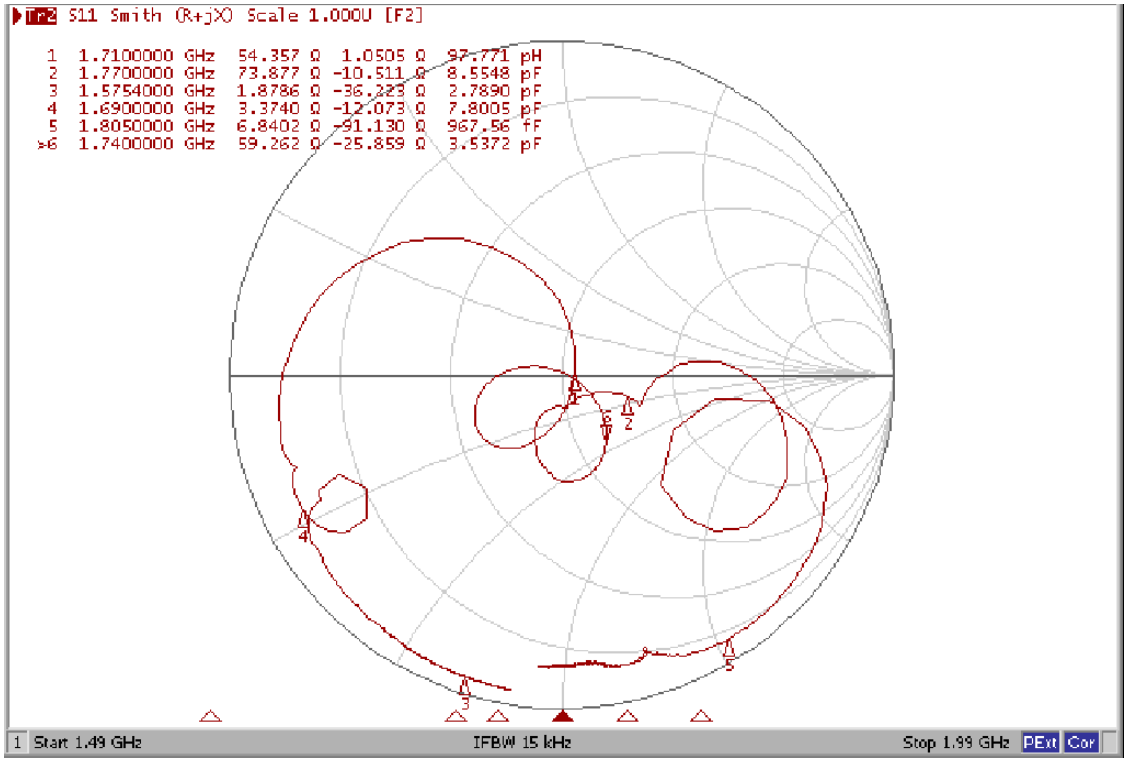
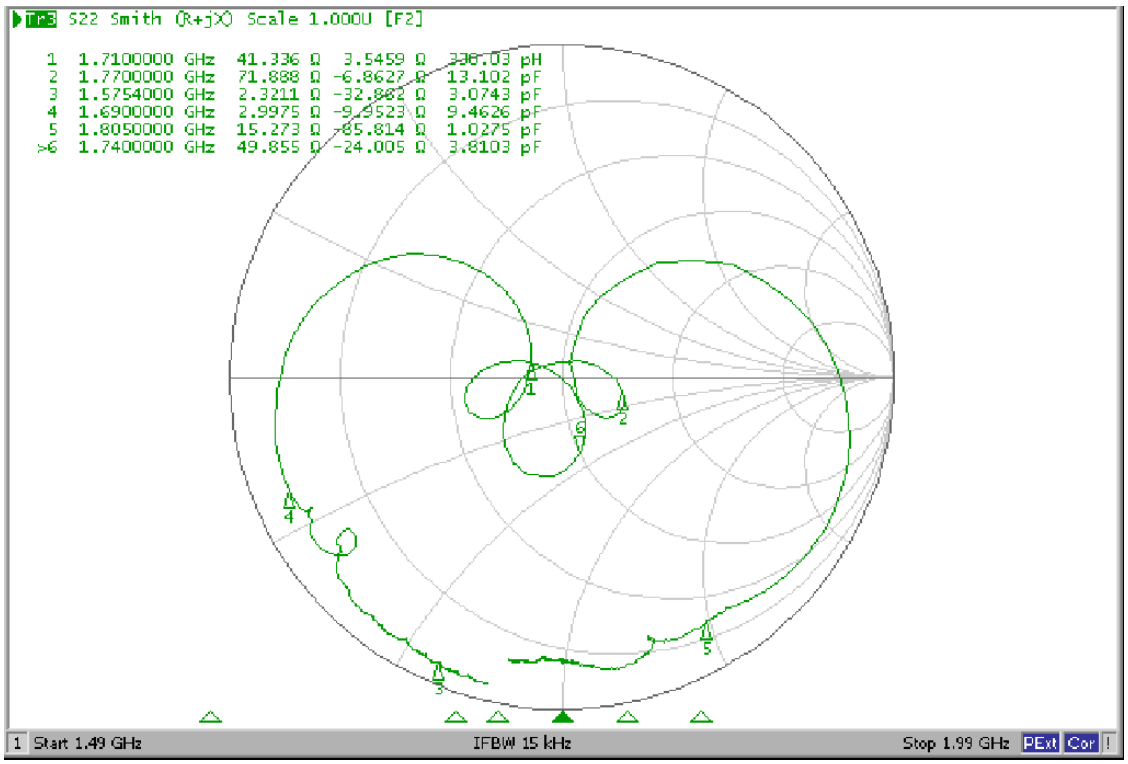
4. Smith Chart





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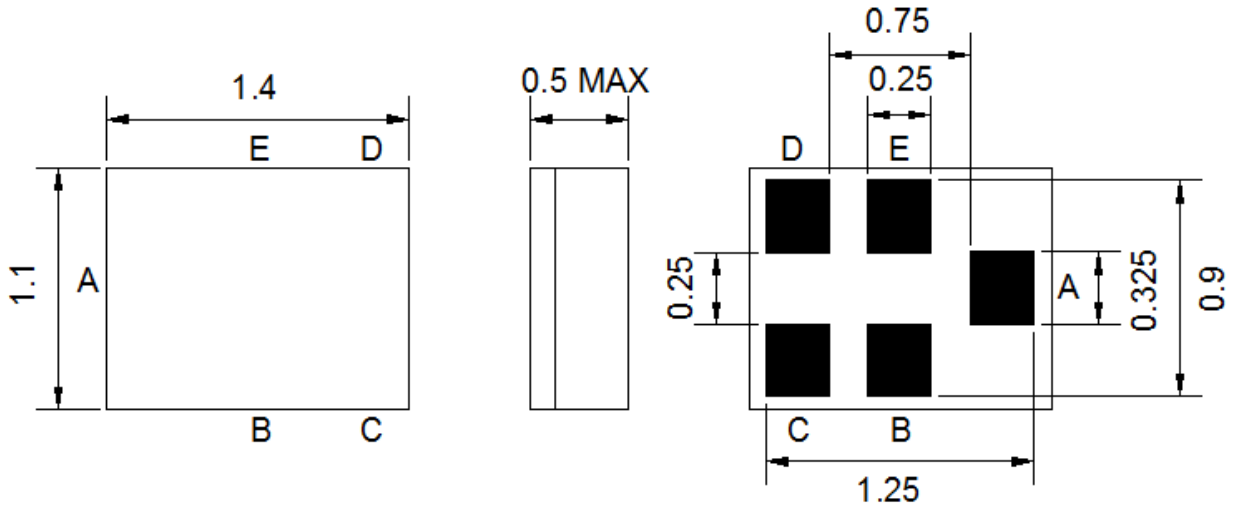
D. OUTLINE DRAWING:

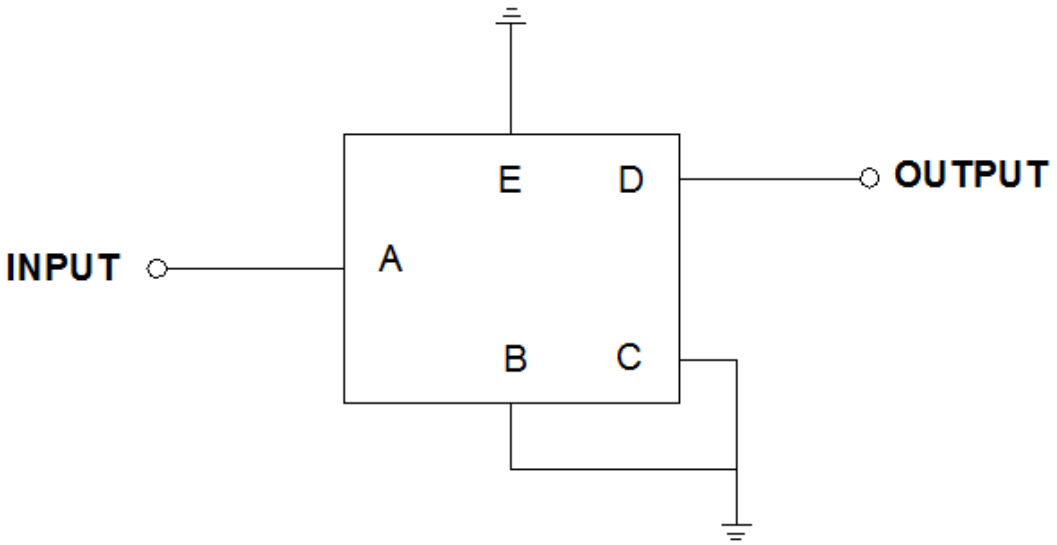


B, C, E: Ground

A: Input

D: Output

E. MEASUREMENT CIRCUIT:



Source & Load Impedance: 50Ω

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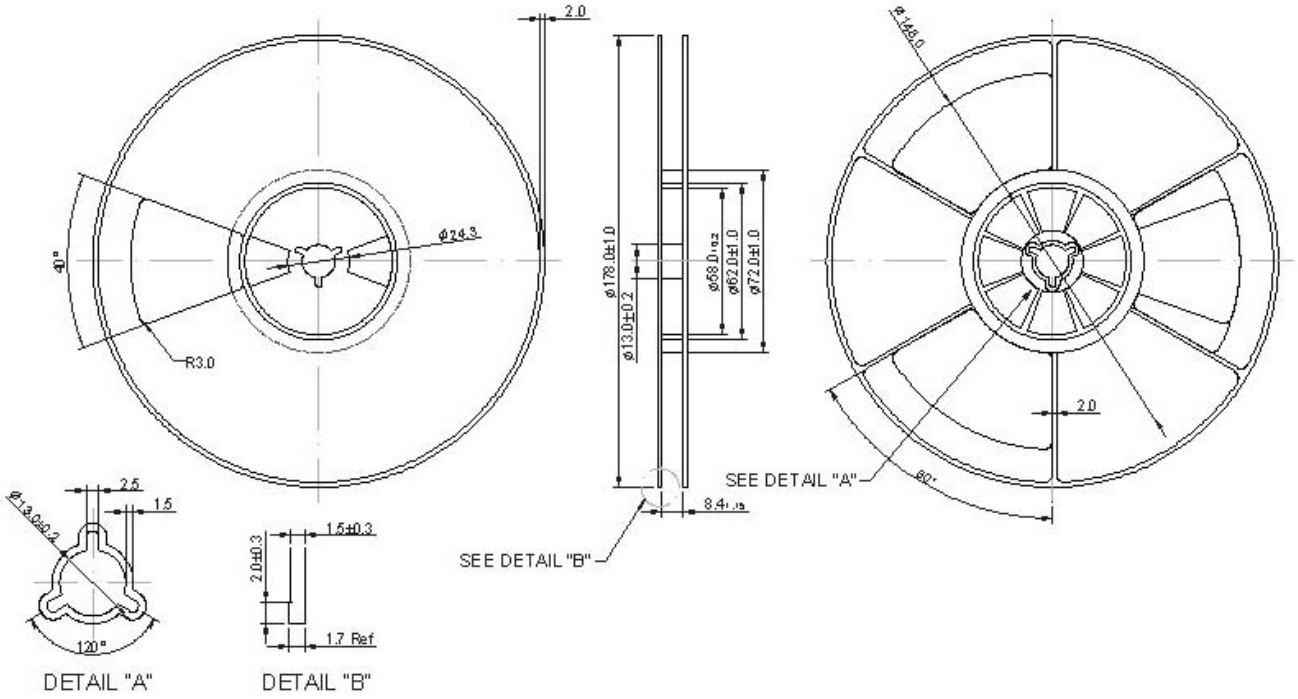
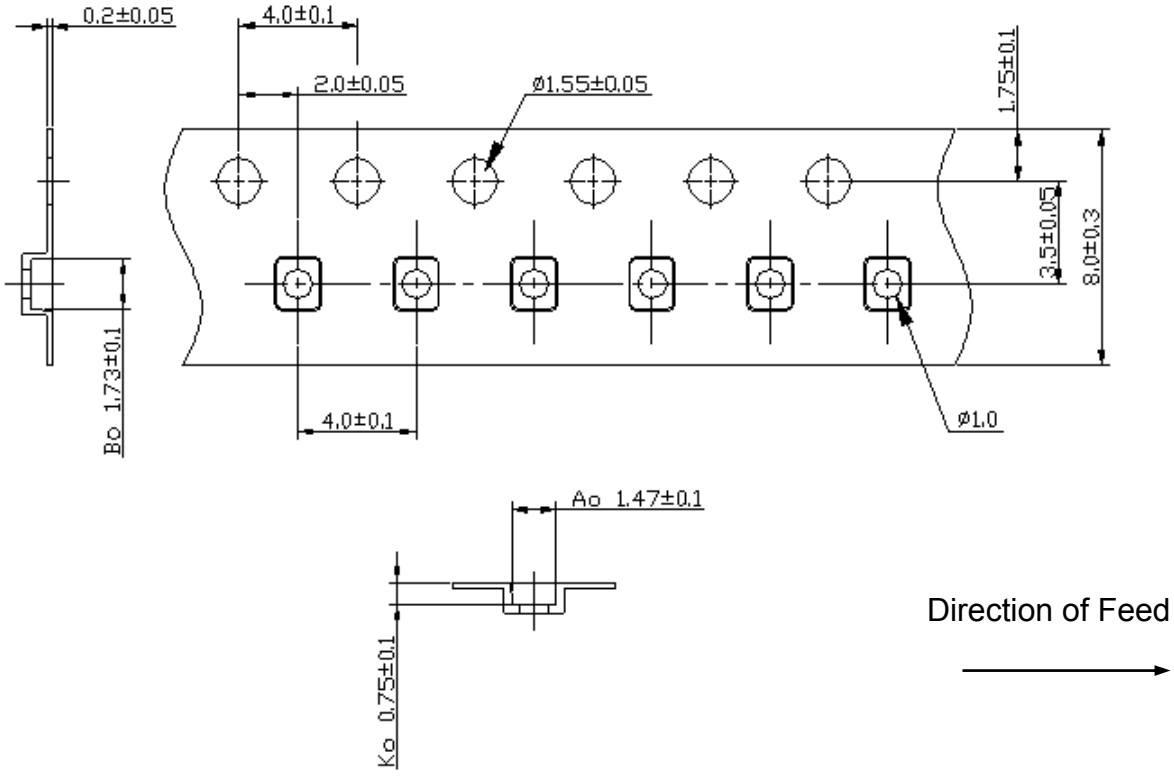
F. PACKING:

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



2. Tape Dimension



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G. RECOMMENDED REFLOW PROFILE: