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Golledge Electronics Ltd
Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

SAW Filter 897.0MHz — Model: TA1701A
Part No: MP05871 — Rev No: 1

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

Item	Unit	Min.	Typ.	Max.
Center Frequency (Fc)	MHz	-	897	-
Insertion Loss within 880.4 ~ 914.6MHz	dB	-	2.6	3.8
Amplitude Ripple within 880.4 ~ 914.6MHz	dB p-p	-	1.2	2.5
Input VSWR within 880.0 ~ 915.0MHz	-	-	1.9	2.4
Output VSWR within 880.0 ~ 915.0MHz	-	-	2.0	2.8
Attenuation:				
DC ~ 835.0MHz	dB	35	47	-
835.0 ~ 870.0MHz	dB	18	36	-
925.4 ~ 935.0MHz	dB	20	38	-
935.0 ~ 960.0MHz	dB	35	44	-
960.0 ~ 1760.0MHz	dB	30	40	-
1760.0 ~ 1830.0MHz	dB	28	39	-
1830.0 ~ 2640.0MHz	dB	25	34	-
2640.0 ~ 2745.0MHz	dB	25	34	-
2745.0 ~ 5000.0MHz	dB	15	26	-
5000.0 ~ 6000.0MHz	dB	10	20	-

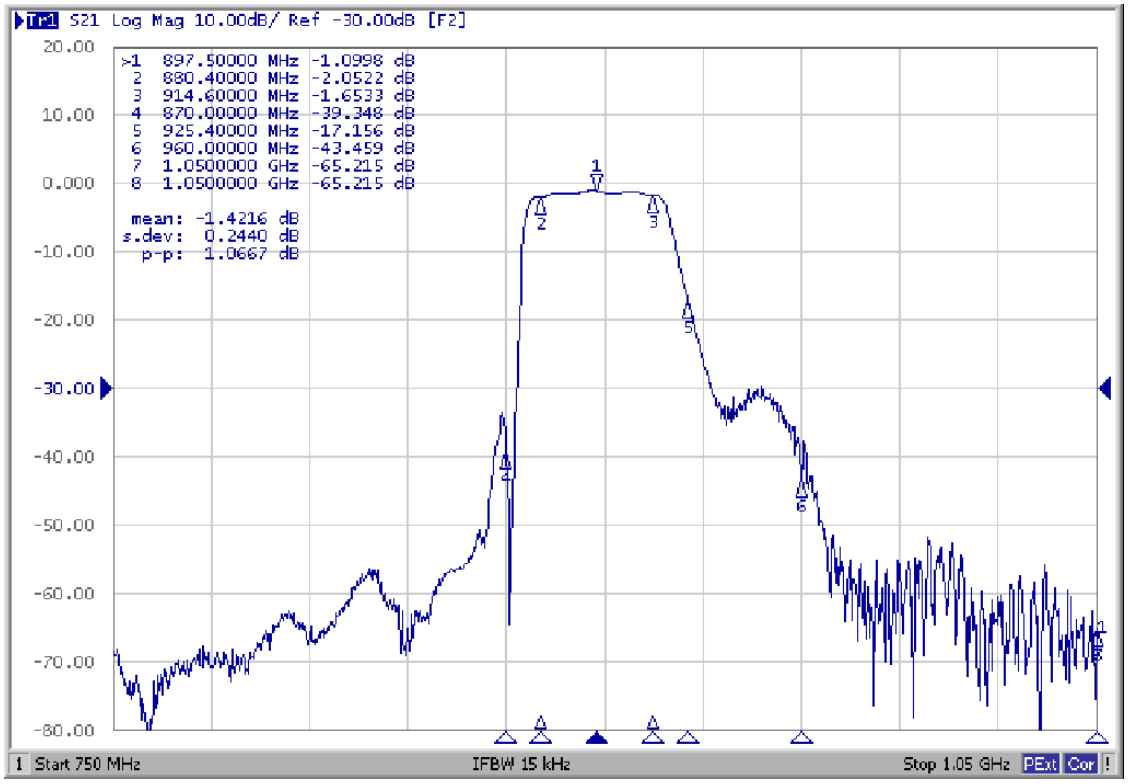
Notes: No Matching Network.

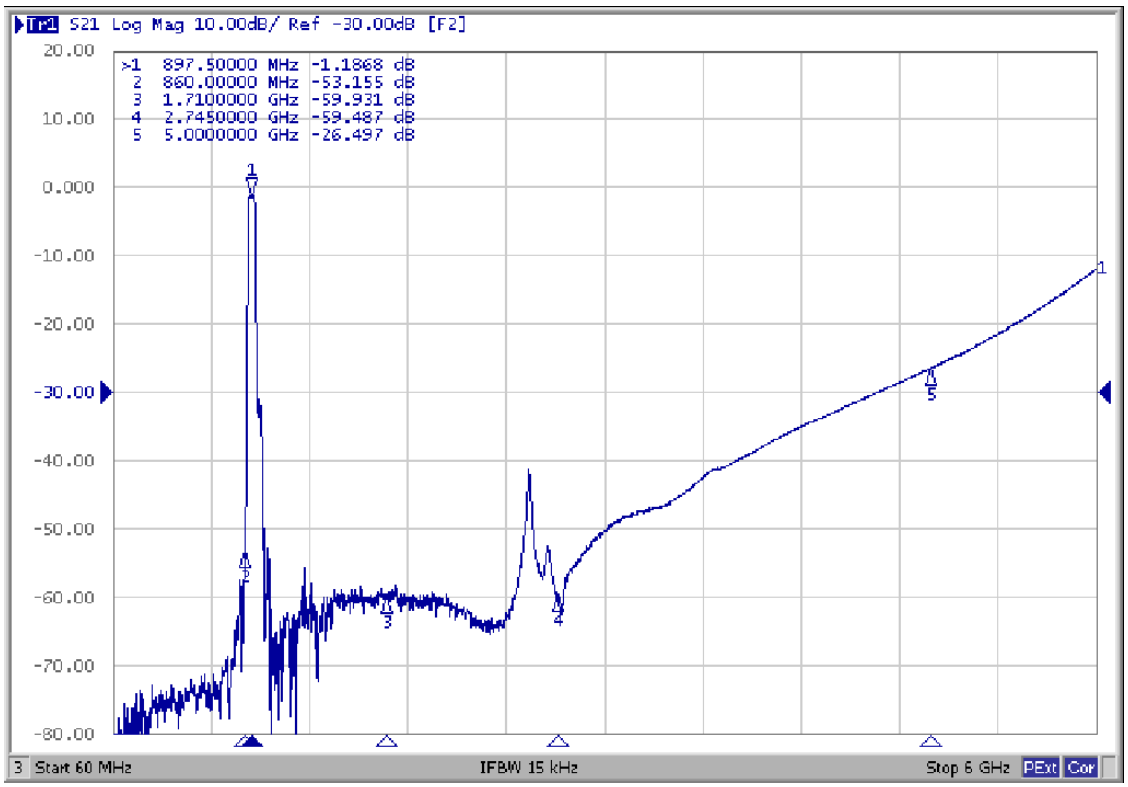
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C. FREQUENCY CHARACTERISTICS:

Frequency Response



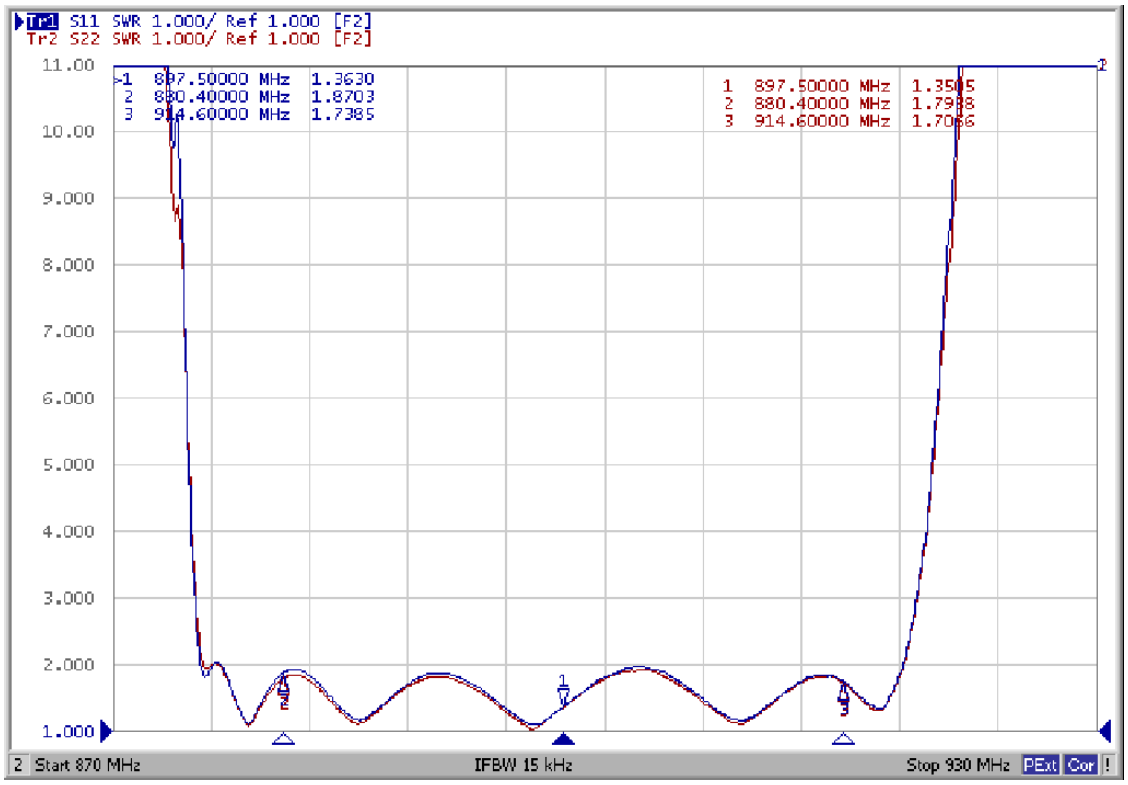


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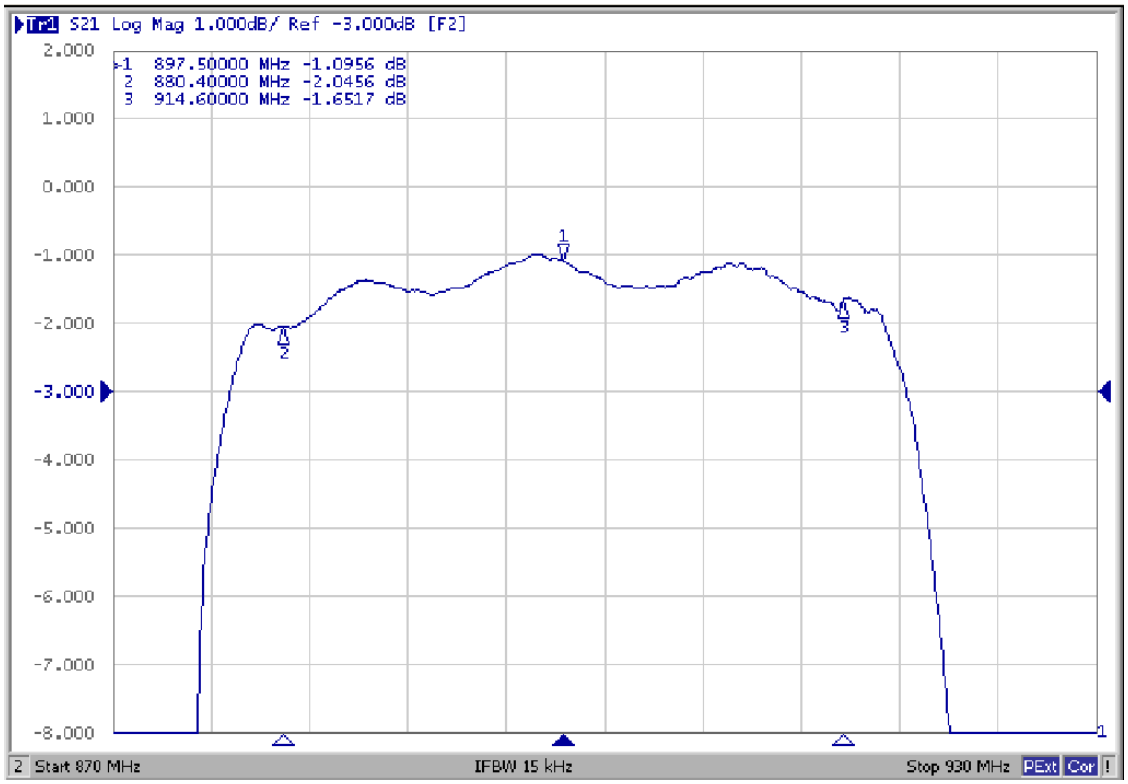
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VSWR



Ripple

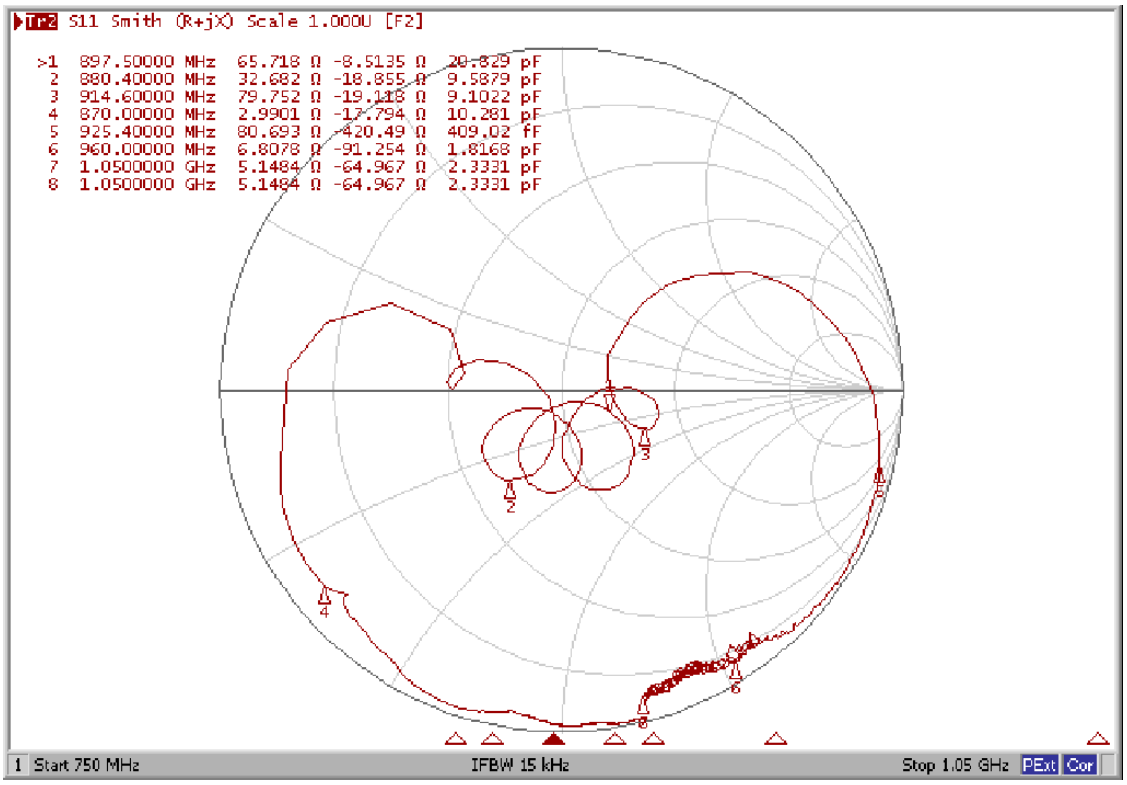


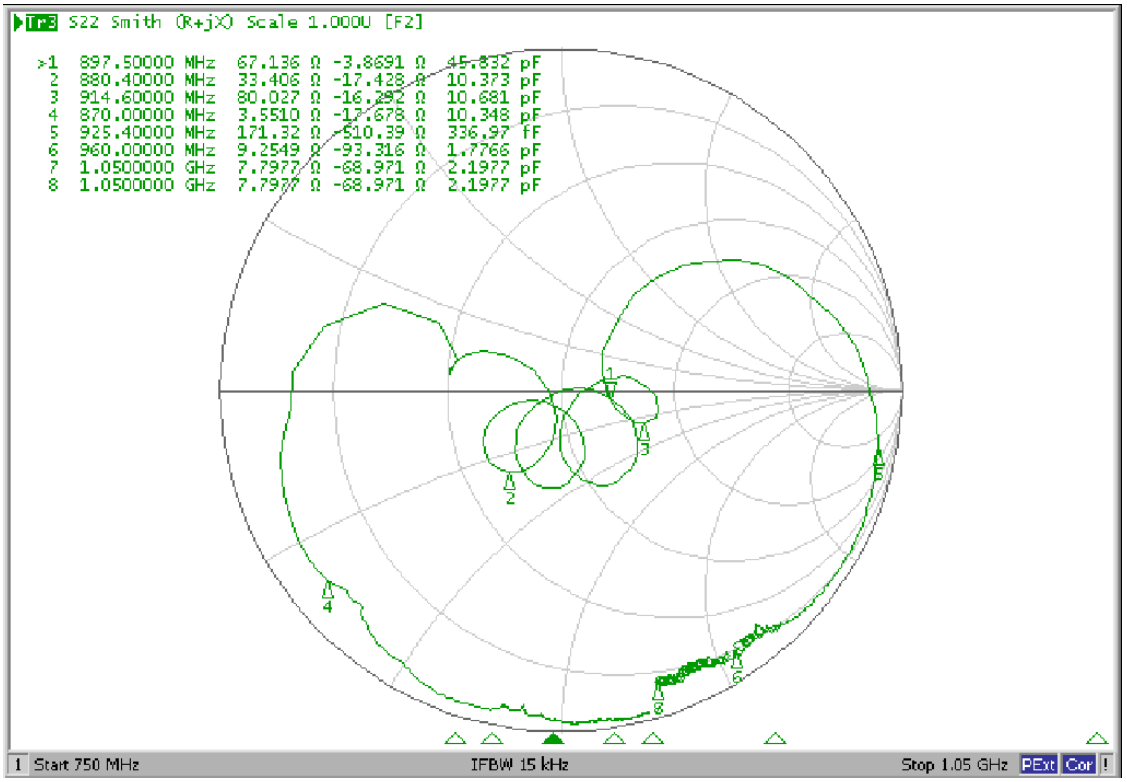
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Smith Chart

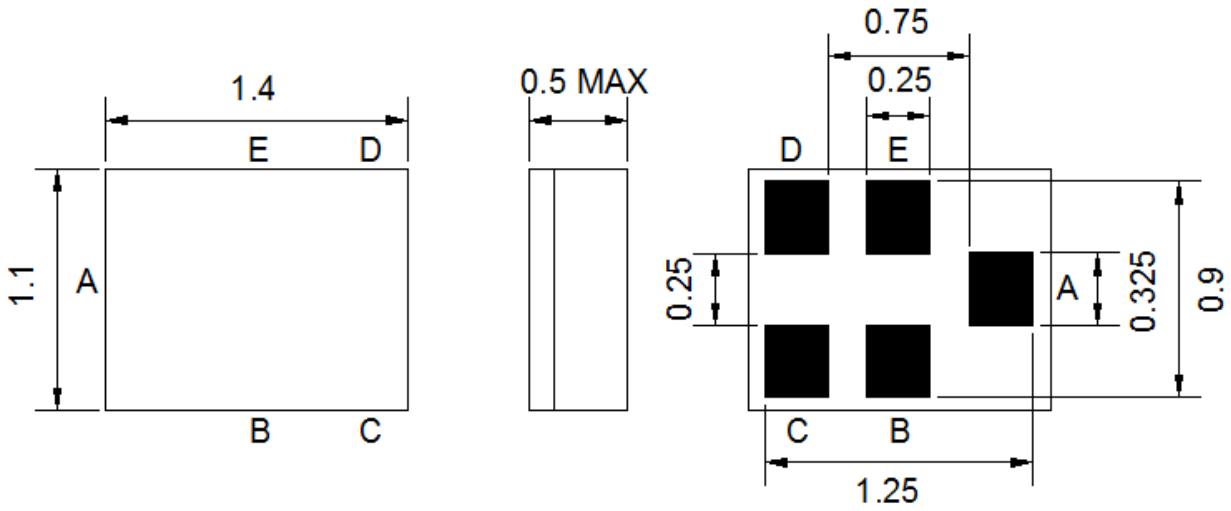




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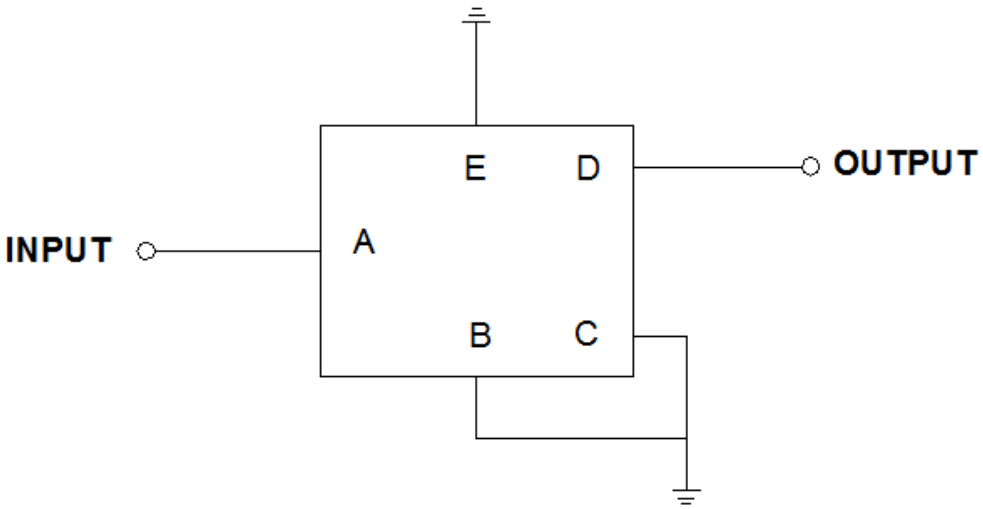
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D. OUTLINE DRAWING:



B, C, E: Ground
A: Input
D: Output

E. MEASUREMENT CIRCUIT:



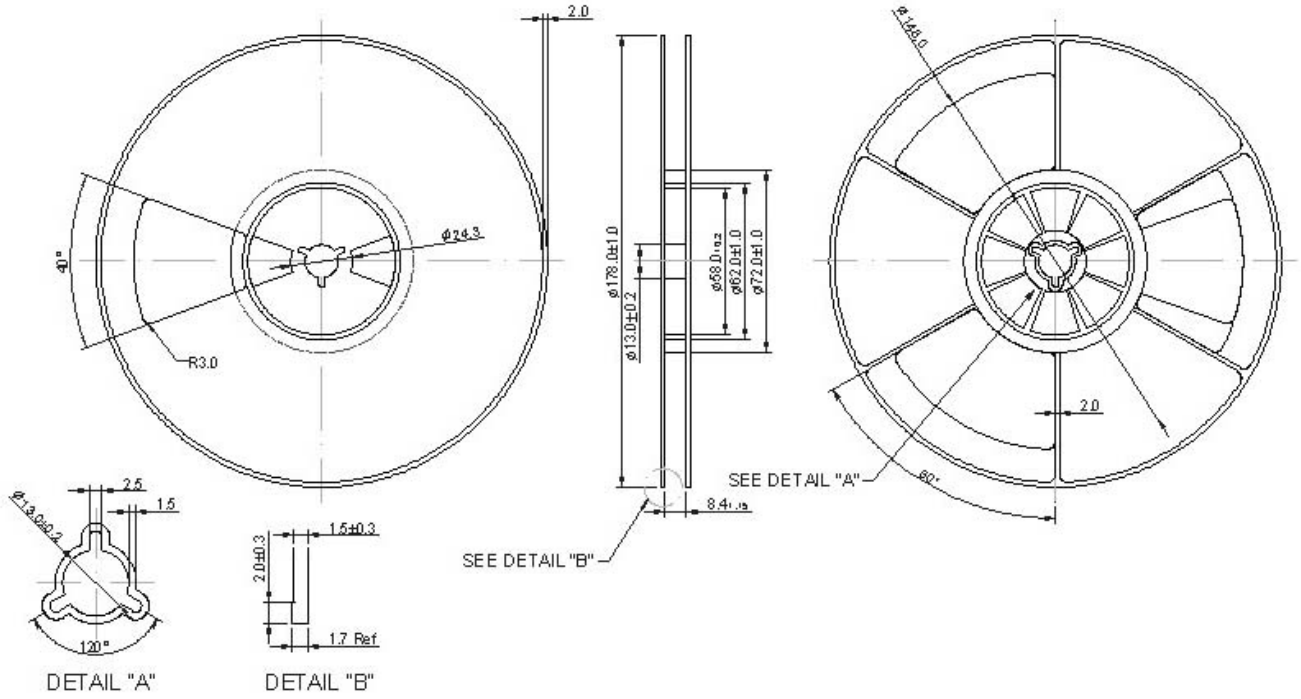
Source & Load Impedance: 50Ω

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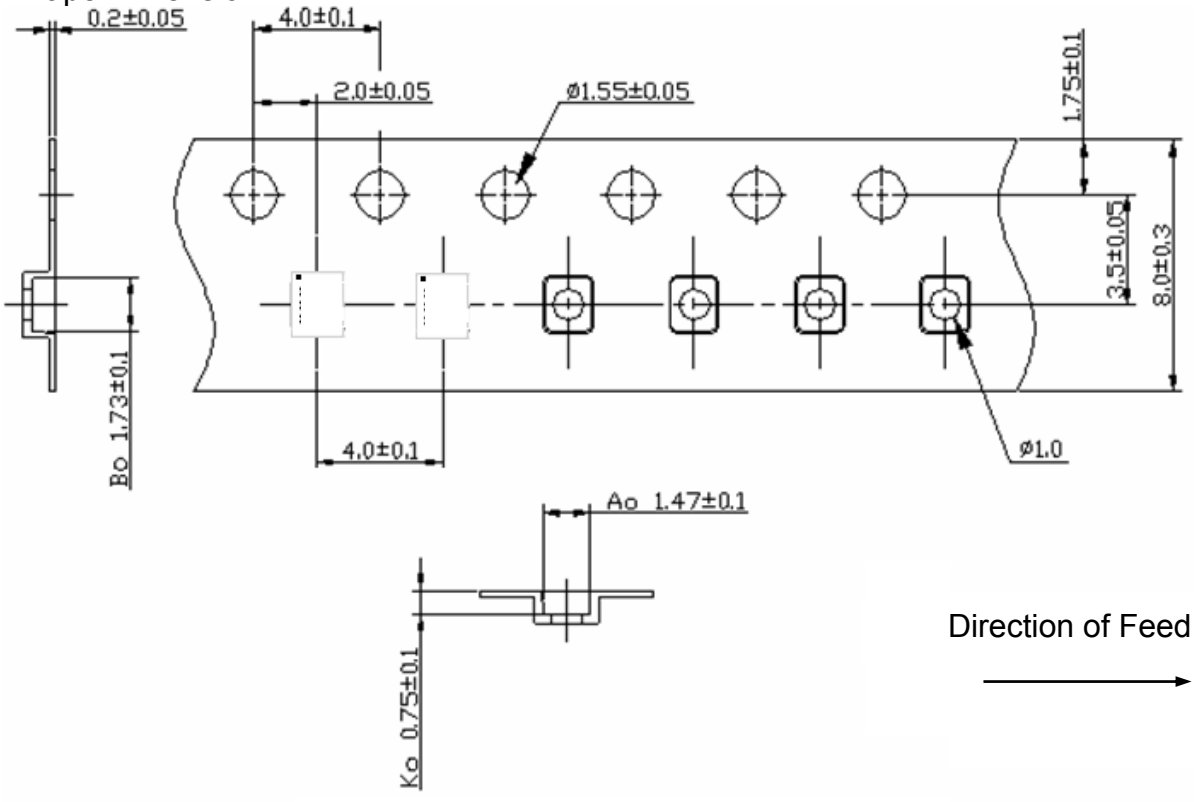
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F. PACKING:

1. Reel Dimension (Please refer to Fr-75d10 for packing quantity)



2. Tape Dimension



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G. RECOMMENDED REFLOW PROFILE:

