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

SAW Filter 1950.0MHz — Model: TA1696A
Part No: MP05869 — 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	-	1950	-
Insertion Loss within 1920.0 ~ 1980.0MHz	dB	-	1.6	2.5
Amplitude Ripple within 1920.0 ~ 1980.0MHz	dB p-p	-	0.6	1.5
VSWR within 1920.0 ~ 1980.0MHz	-	-	1.9	2.3
Attenuation:				
DC ~ 1577.0MHz	dB	32	38	-
1577.0 ~ 1880.0MHz	dB	22	29	-
2110.0 ~ 2170.0MHz	dB	35	38	-
2500.0 ~ 3120.0MHz	dB	28	34	-
3840.0 ~ 3960.0MHz	dB	25	29	-
5760.0 ~ 5940.0MHz	dB	15	21	-

Notes: No Matching Network.

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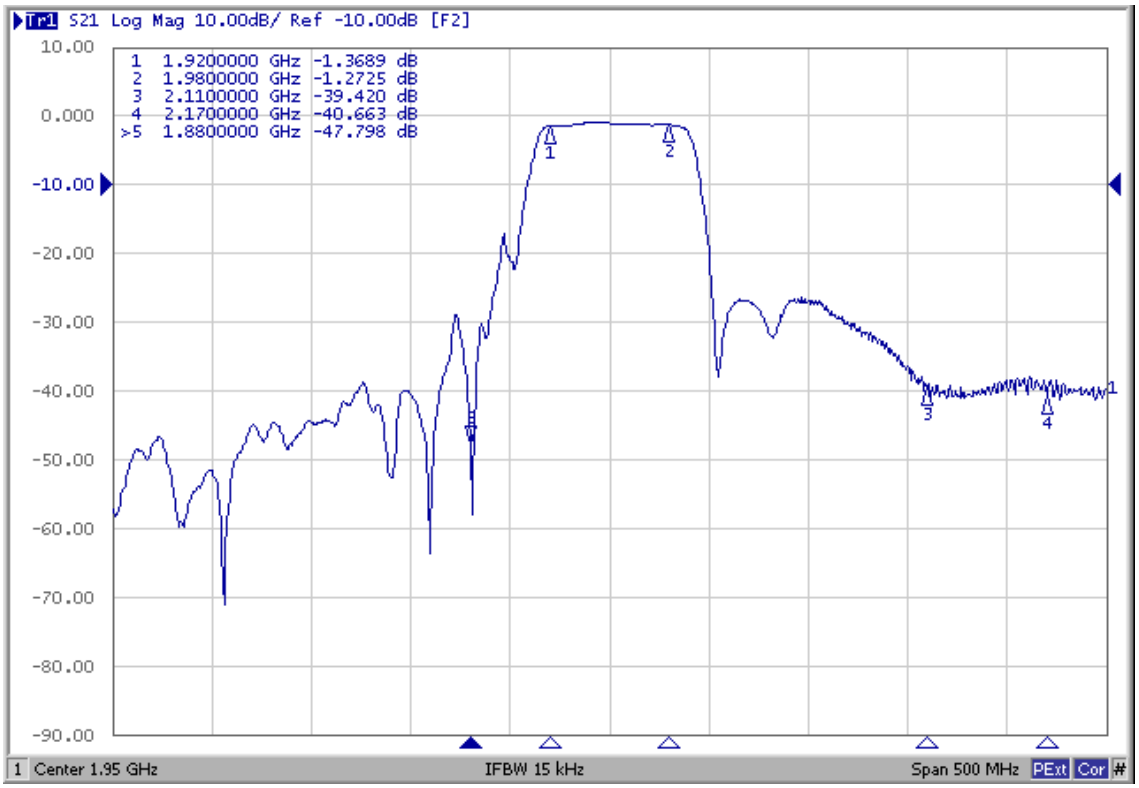
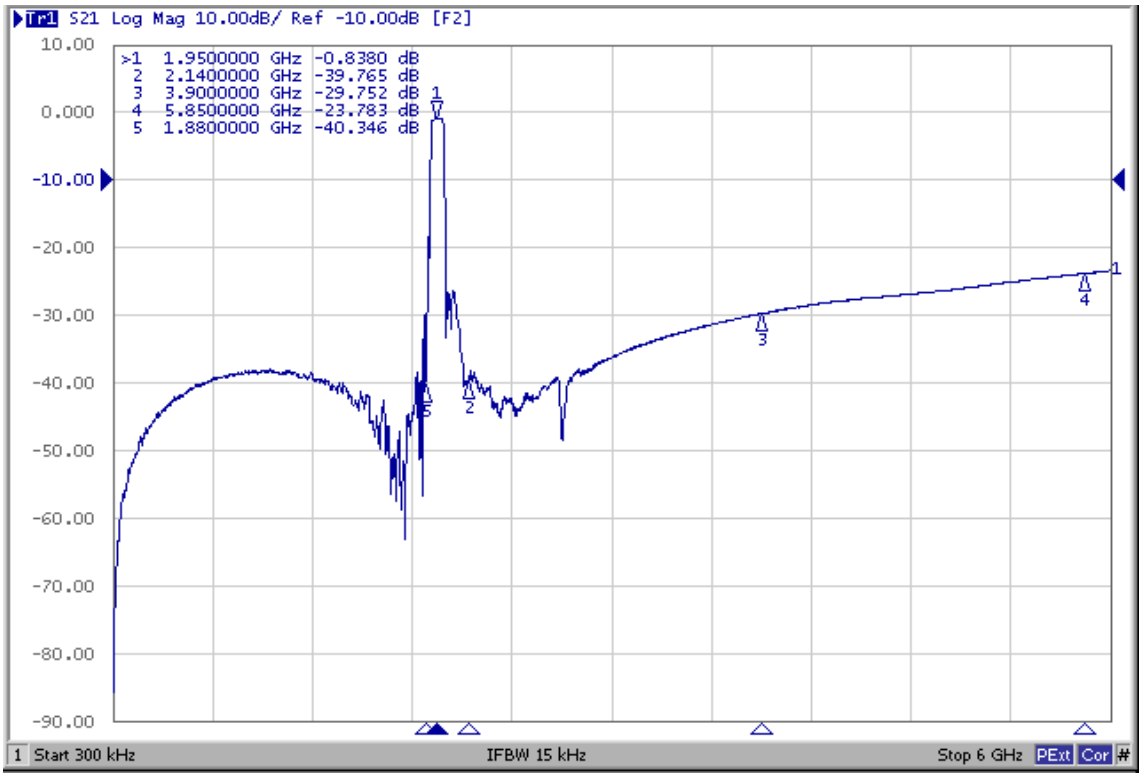
C. FREQUENCY CHARACTERISTICS:

Frequency Response





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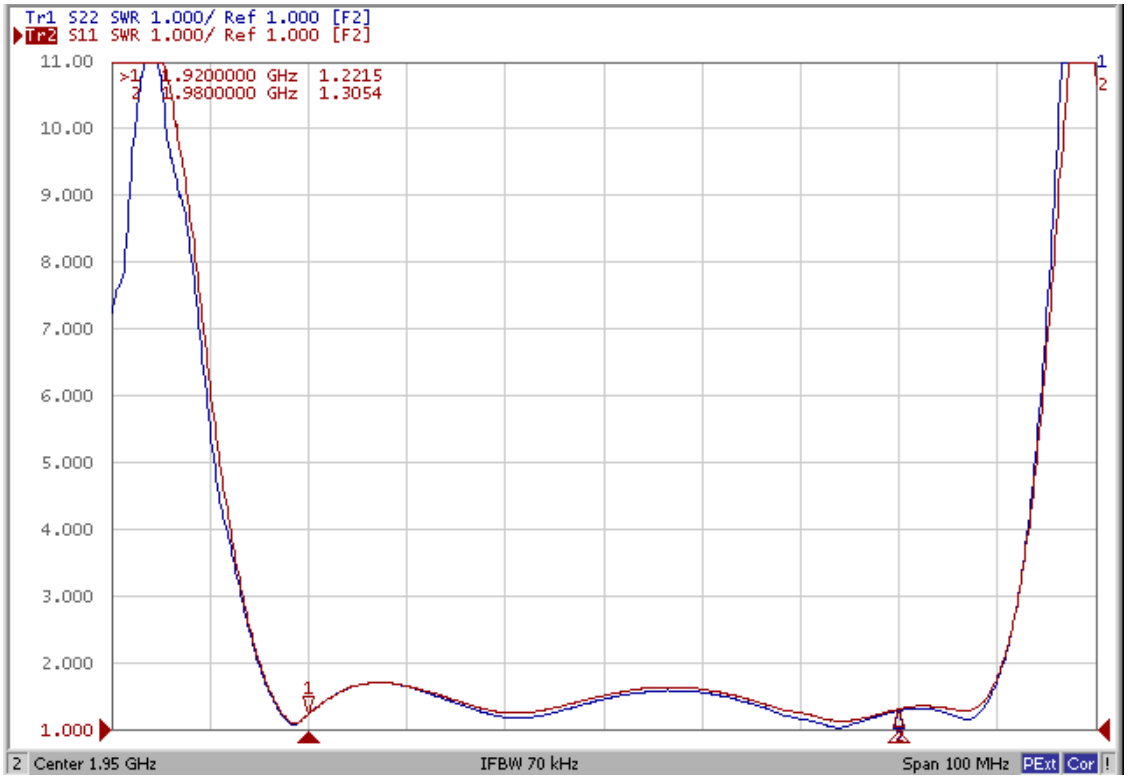
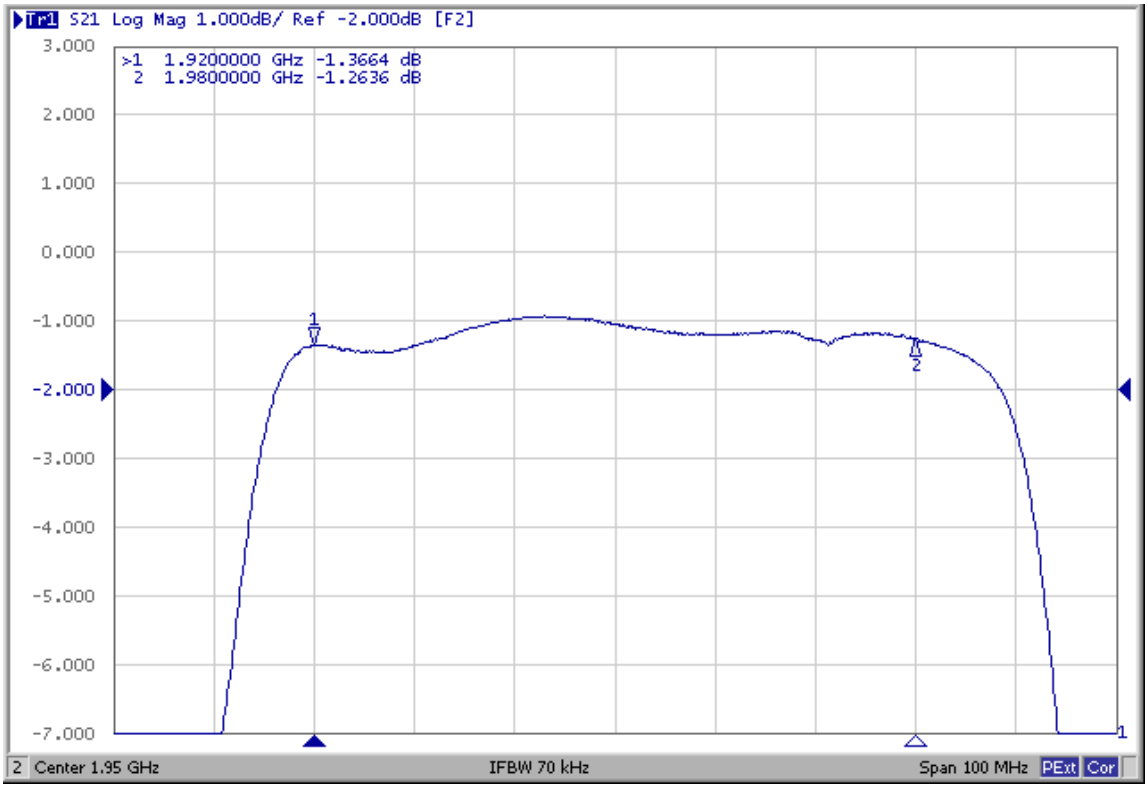
VSWR



Ripple



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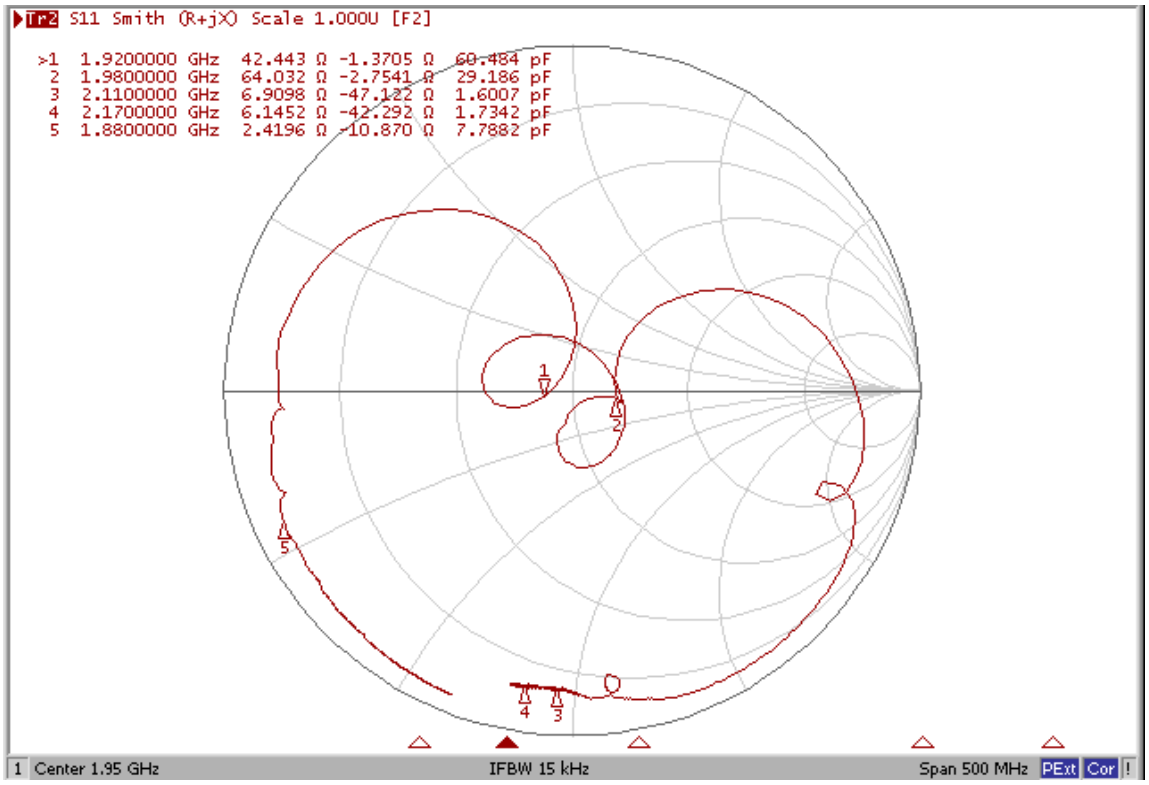
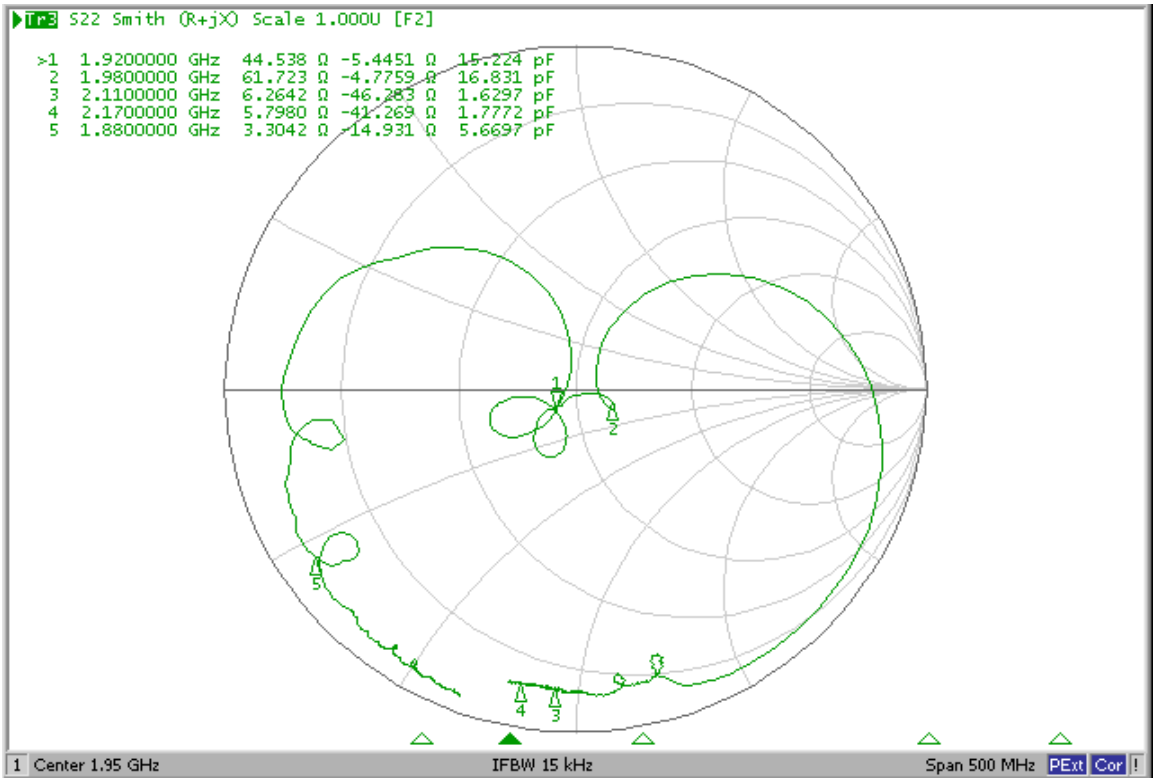
Smith Chart





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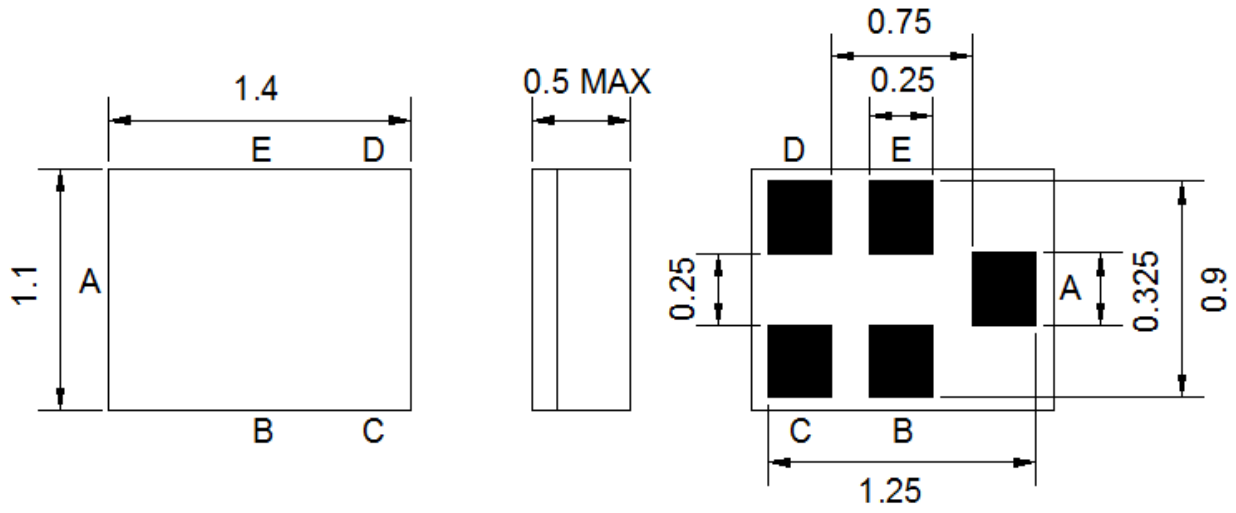
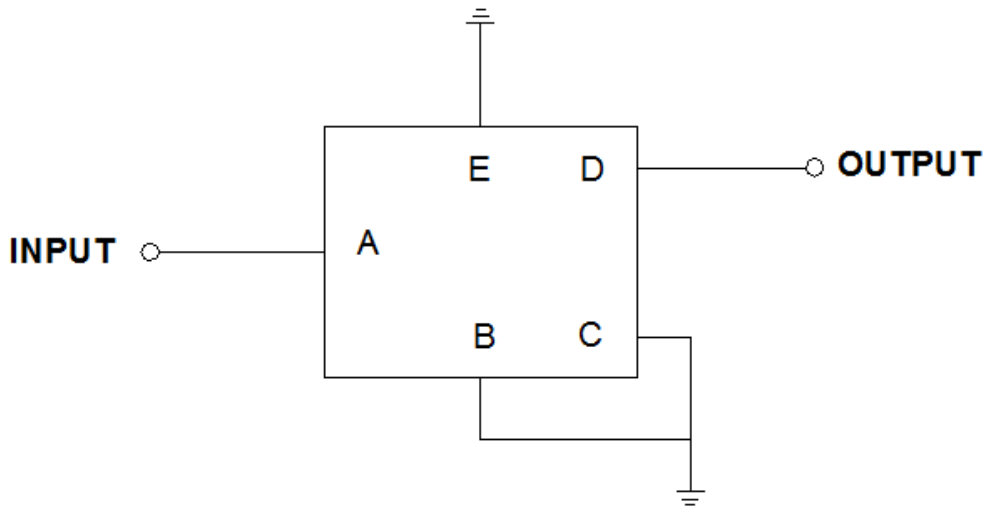
D. OUTLINE DRAWING:



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

E. MEASUREMENT CIRCUIT:



Source & Load Impedance: 50Ω

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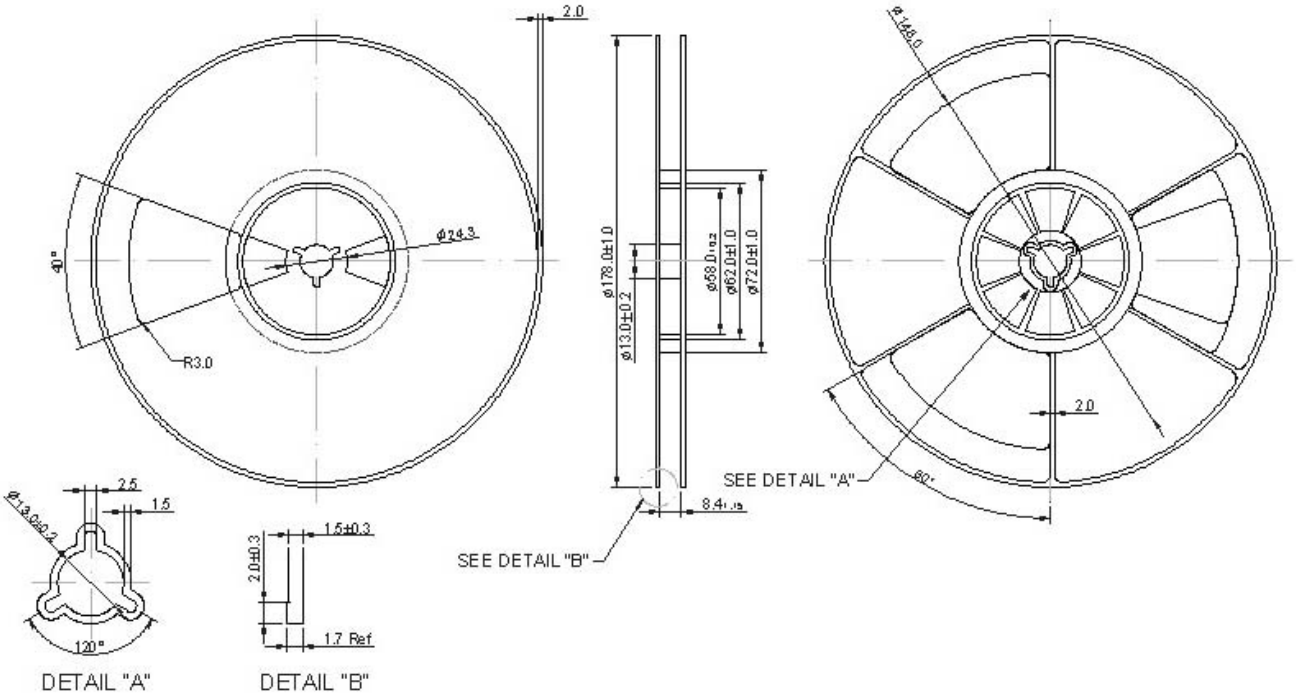
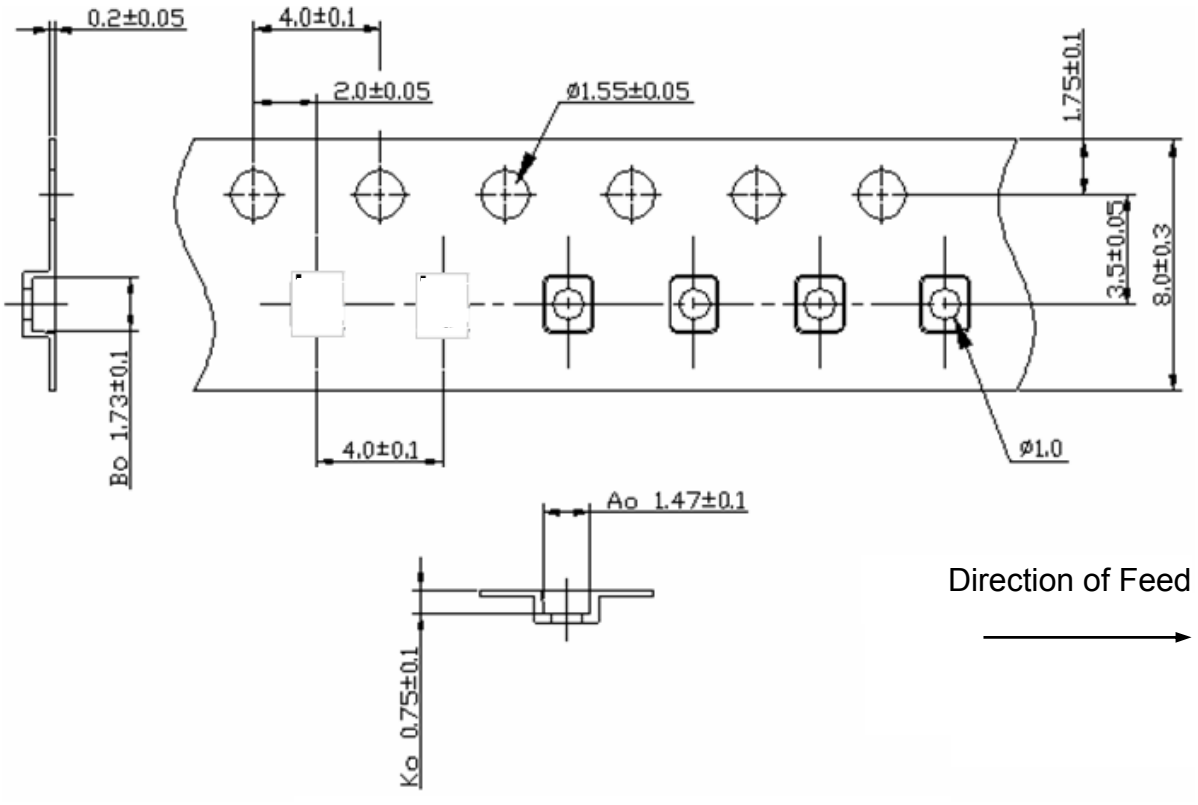
F. PACKING:

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



2. Tape Dimension



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G. RECOMMENDED REFLOW PROFILE: