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

SAW Filter 942.5MHz — Model: TA0231A
Part No: MA06345 — Rev No: 2

A. MAXIMUM RATING:

1. Operating Temperature: -20℃ ~ +75℃
2. Storage Temperature: -40℃ ~ +85℃

B. ELECTRICAL CHARACTERISTICS:

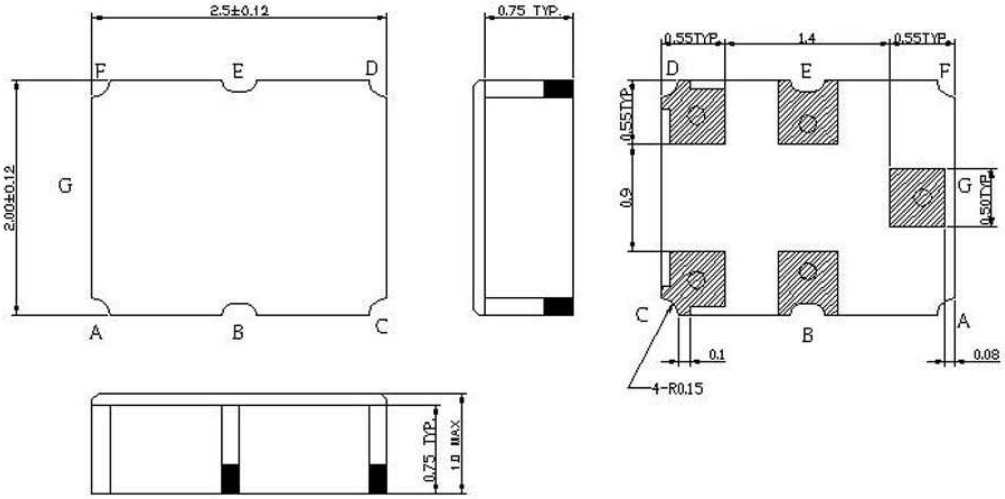
Singled to Balanced operation
Terminating source impedance: Z_S = 50Ω
Terminating load impedance: Z_L = 200 // 50nH

Item	Value			Note
	Min.	Typ.	Max.	
Center frequency Fc MHz	-	942.5	-	-
Insertion loss (925 ~ 960MHz) IL (dB)	-	2.8	4.0	-
Ripple (925 ~ 960MHz) (dB)	-	1.0	2.4	-
Input VSWR (925 ~ 960MHz)	-	1.8	2.5	-
Output VSWR (925 ~ 960MHz)		1.8	2.5	
Attenuation: (Reference level from 0dB)				
0 ~ 880MHz (dB)	50	52	-	-
880 ~ 905MHz (dB)	30	44	-	-
905 ~ 915MHz (dB)	10	27	-	-
980 ~ 1050MHz (dB)	21	27	-	-
1050 ~ 6000MHz (dB)	50	54	-	-
Symmetry in band (referenced to the matched operating condition)				
Output amplitude balance ($\|S_{31}/S_{21}\|$) (925 ~ 960MHz) (dB)	-1.3	0	1.3	
Output phase balance ($\phi(S_{31})-\phi(S_{21})+180°$) (925 ~ 960MHz) degree	-10	0	10	

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C. OUTLINE DRAWING:

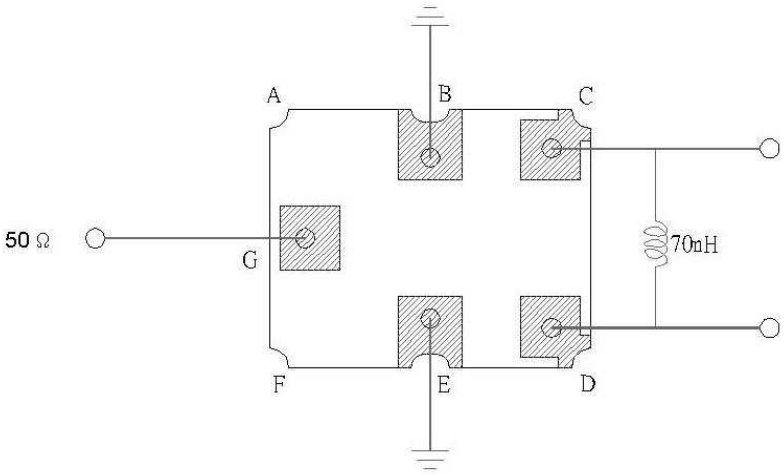


G: Unbalance input

C, D: Balance output

B, E: Ground

D. MEASUREMENT CIRCUIT:

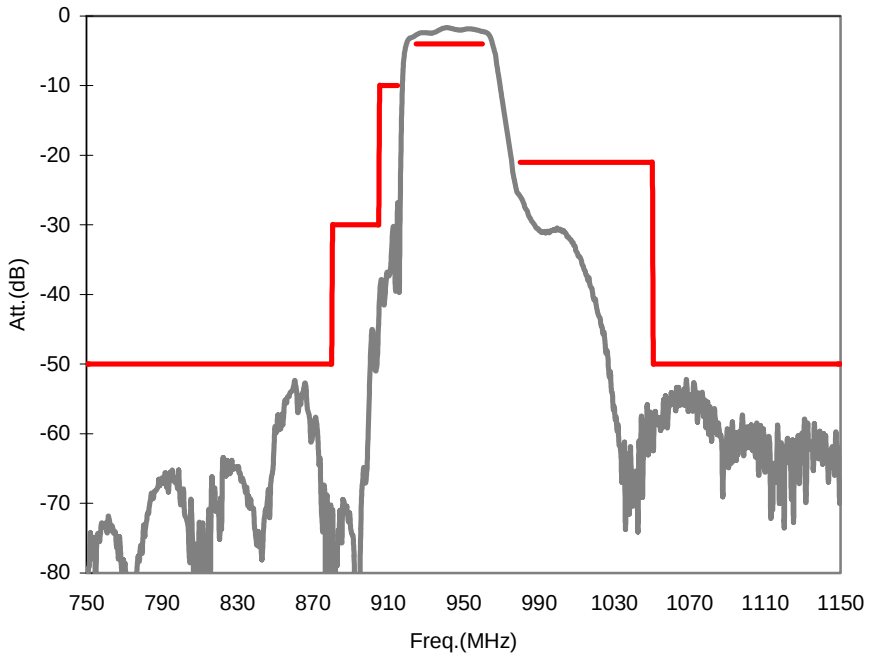


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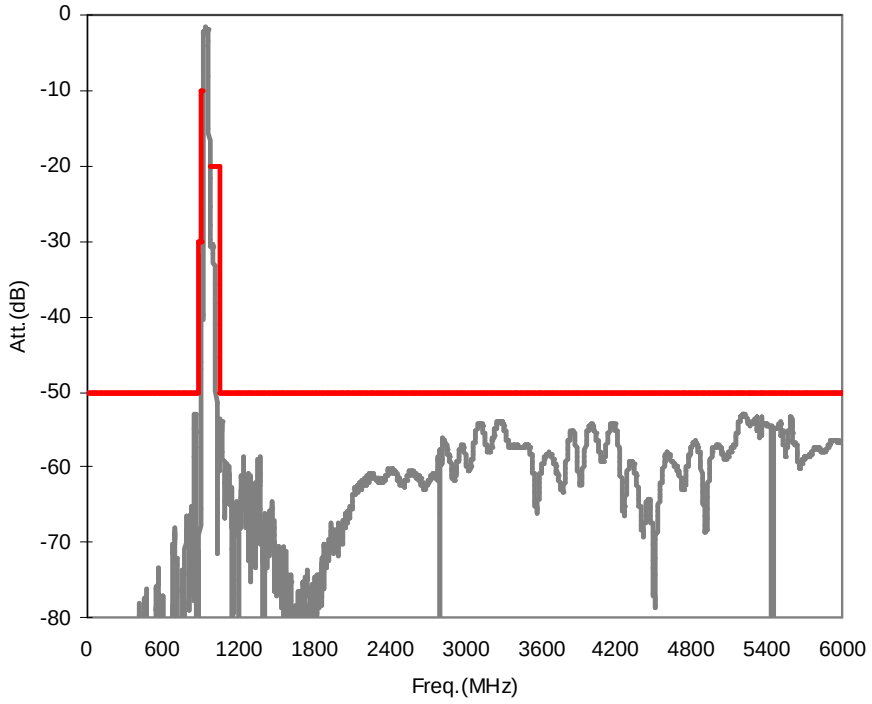
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E. FREQUENCY CHARACTERISTICS:

1. Transfer function (25℃)



2. (wideband)

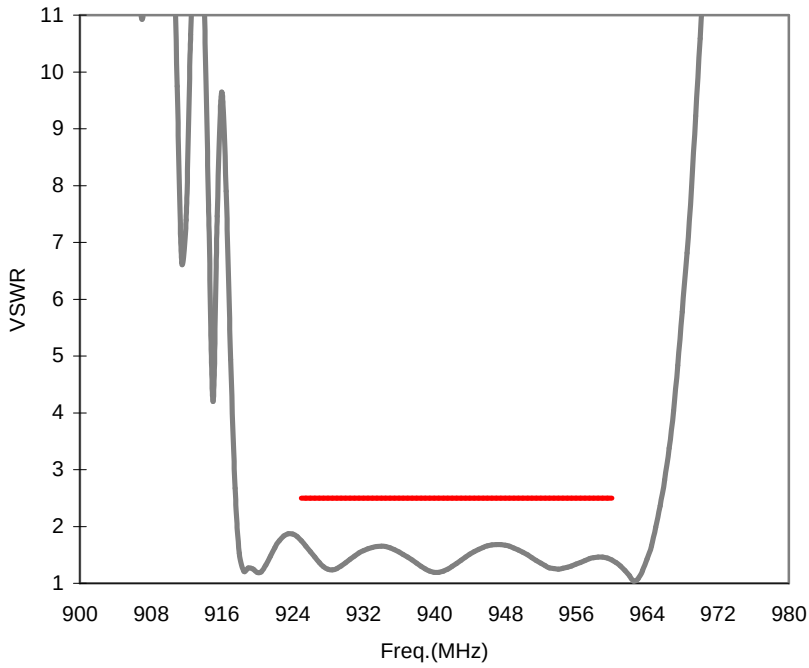


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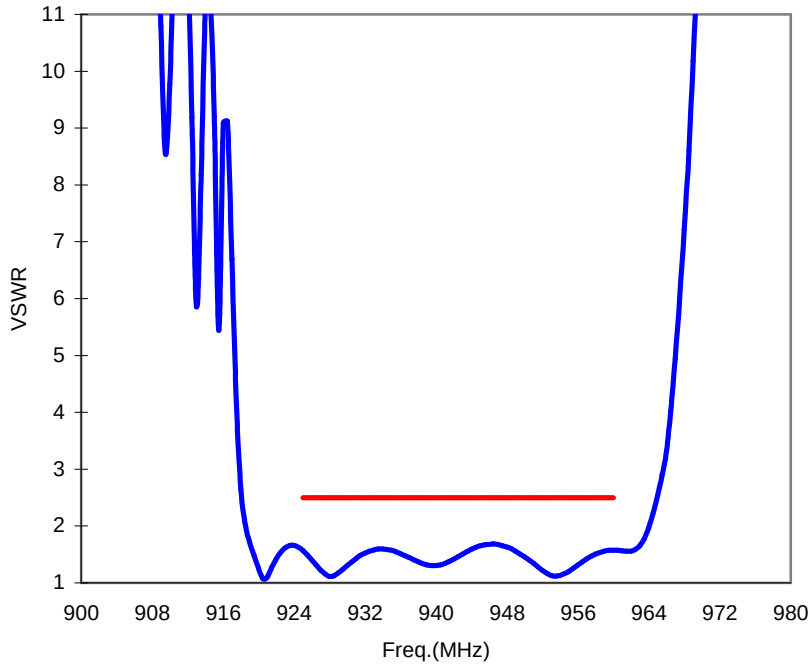
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3. VSWR (25℃)

Unbalanced Input



Balanced Output

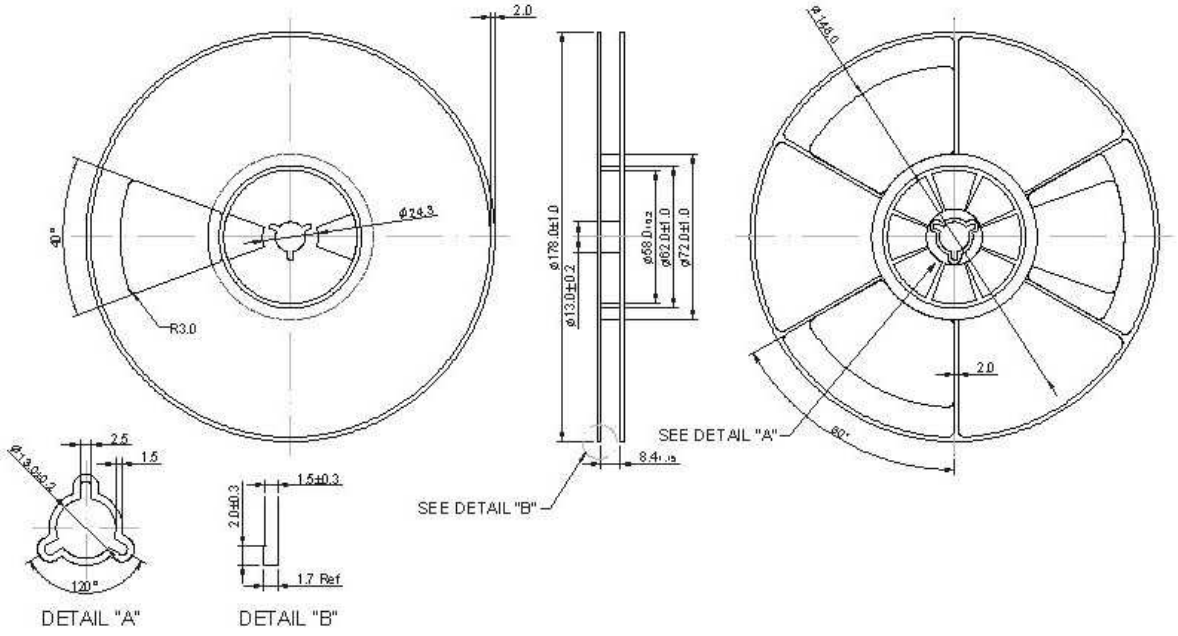


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F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

