

SAW Filter 907.50MHz
Part No: MA08663

Model: TA0329A
Rev No: 1

A. MAXIMUM RATING:

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

B. ELECTRICAL CHARACTERISTICS:

Singled to Balanced operation

Terminating source impedance: $Z_S = 50\Omega$

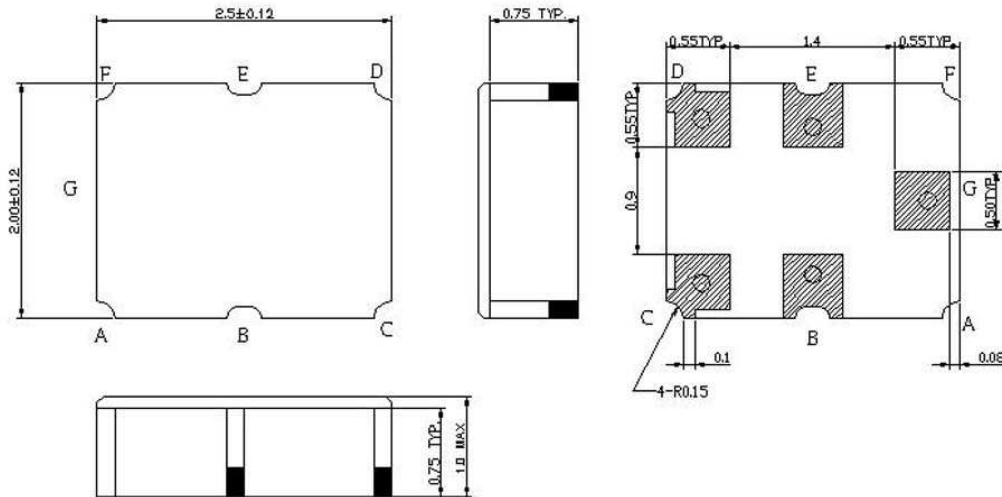
Terminating load impedance: $Z_L = 150\Omega // 60nH$

Item	Value			Note
	Min.	Typ.	Max.	
Center frequency Fc MHz	-	907.5	-	-
Insertion loss (890 ~ 925MHz) IL (dB)	-	2.6	4.0	-
Ripple (890 ~ 925MHz) (dB)	-	1.0	2.4	-
Input VSWR (890 ~ 925MHz)	-	1.6	2.5	-
Output VSWR (890 ~ 925MHz)	-	1.8	2.5	-
Attenuation: (Reference level from 0dB)				
0 ~ 845MHz (dB)	50	56	-	-
845 ~ 870MHz (dB)	30	55	-	-
870 ~ 880MHz (dB)	10	30	-	-
945 ~ 1015MHz (dB)	21	29	-	-
1015 ~ 6000MHz (dB)	50	57	-	-
Symmetry in band (referenced to the matched operating condition)				
Output amplitude balance ($ S_{31}/S_{21} $) (890 ~ 925MHz) (dB)	-1.3	0	1.3	
Output phase balance ($\Phi(S_{31})-\Phi(S_{21})+180^\circ$) (890 ~ 925MHz) degree	-10	0	10	

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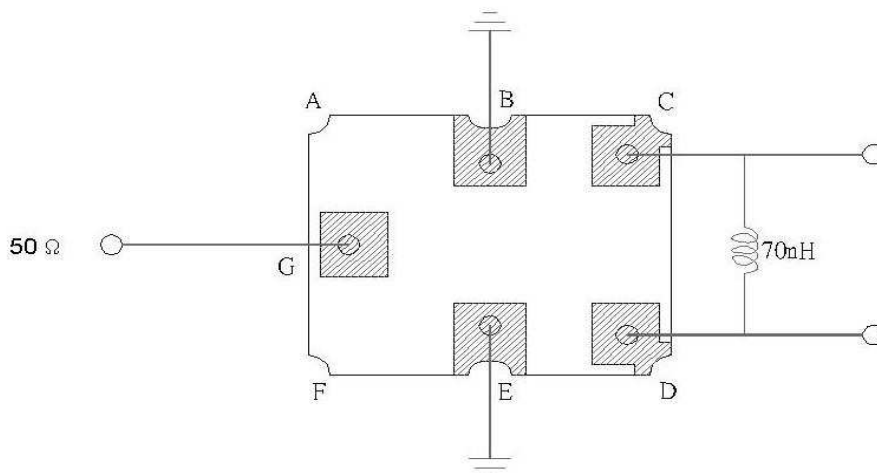
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C. OUTLINE DRAWING:



G: Unbalance input
 C, D: Balance output
 B, E: Ground
 Unit: mm

D. MEASUREMENT CIRCUIT:

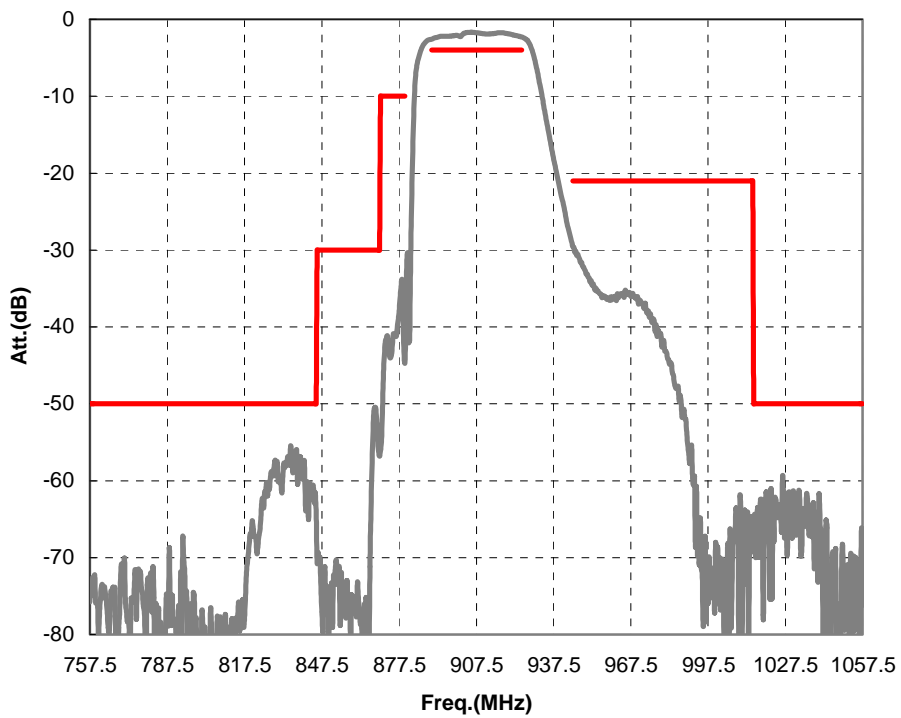


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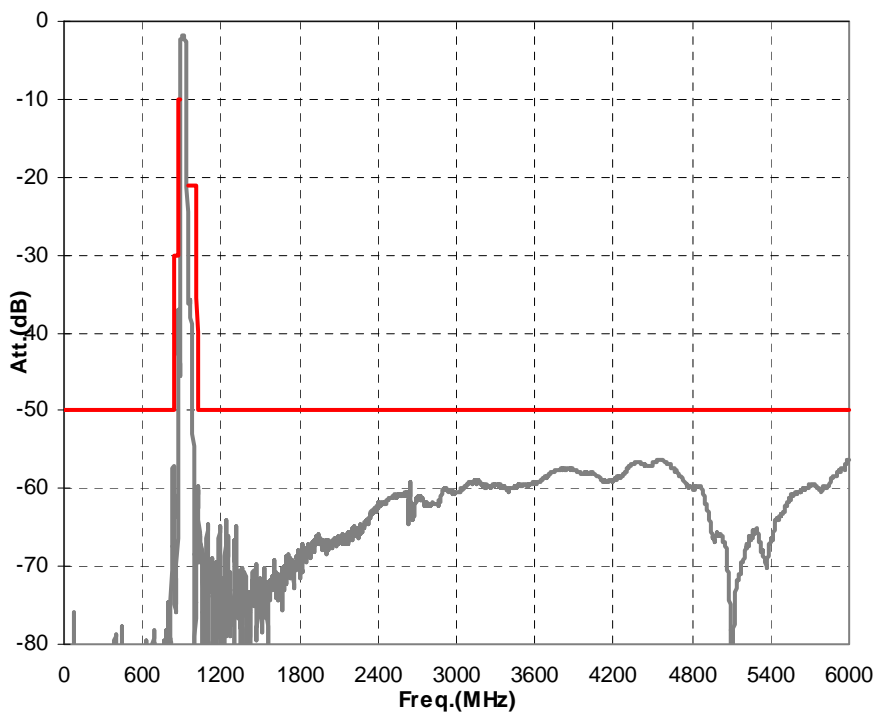
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E. FREQUENCY CHARACTERISTICS:

1. Transfer function (25°C)



2. (wideband)

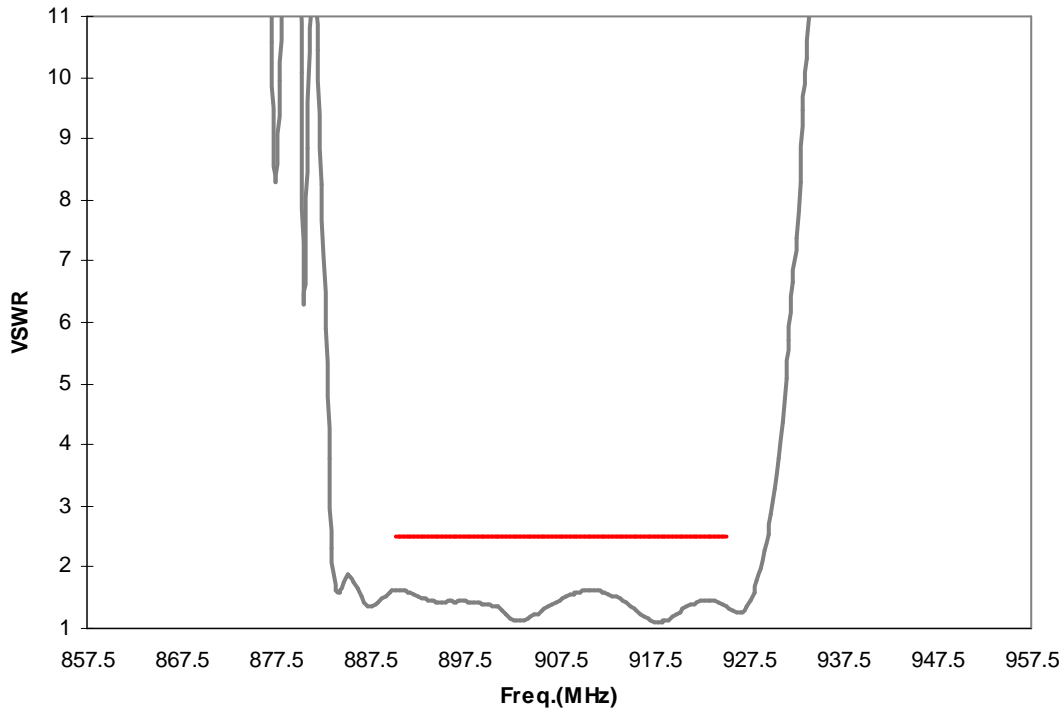


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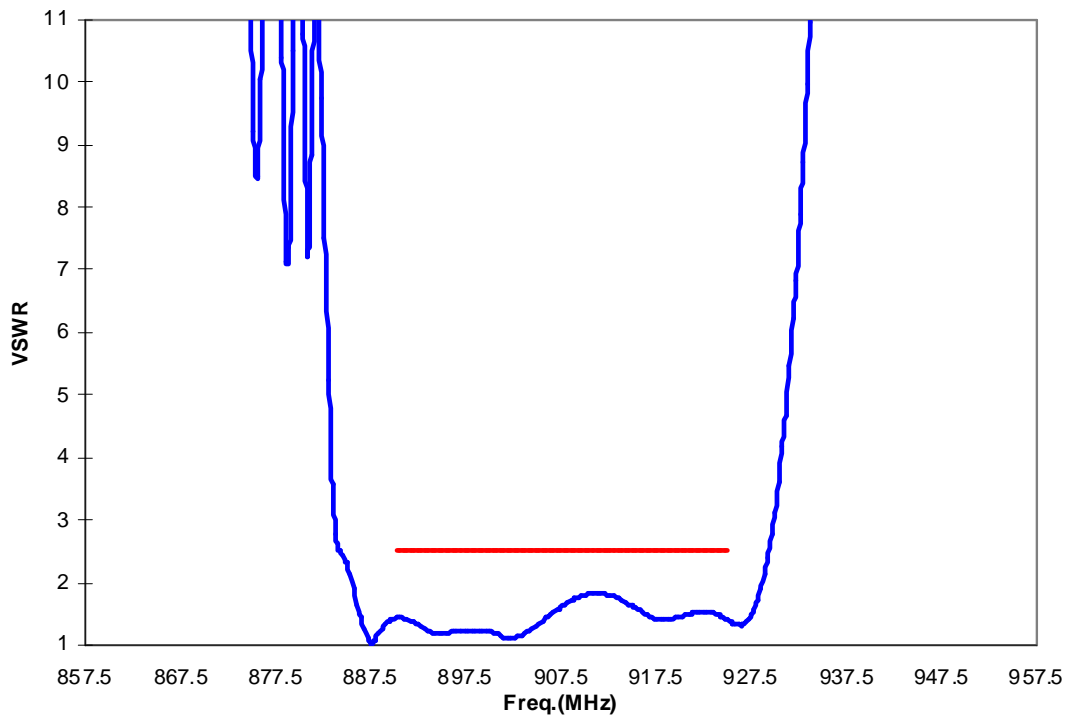
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3. VSWR (25°C)

Unbalance Input



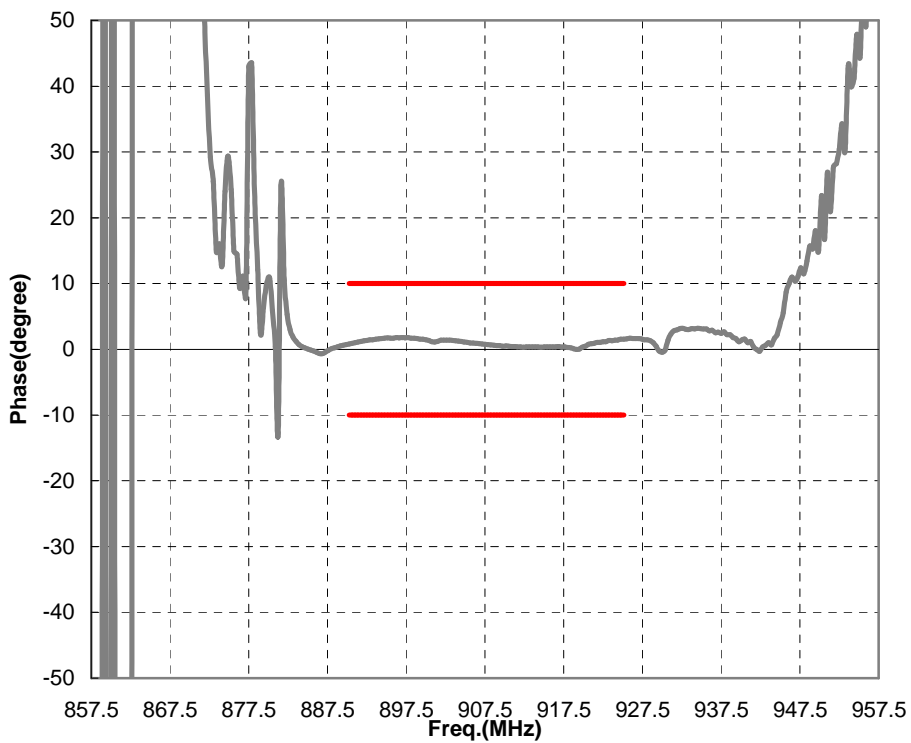
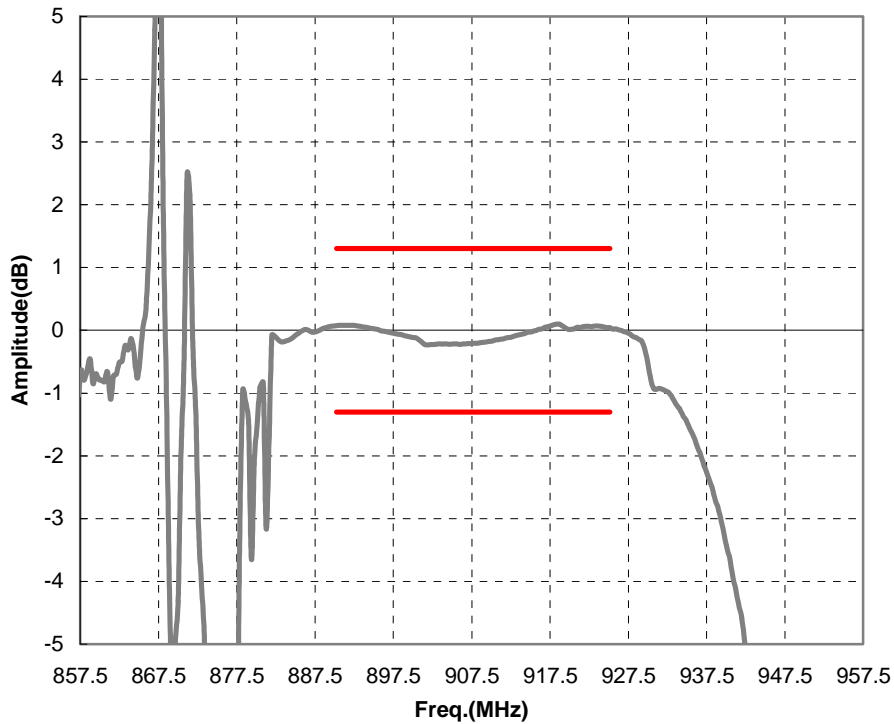
Balance Output



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4. Symmetry in band

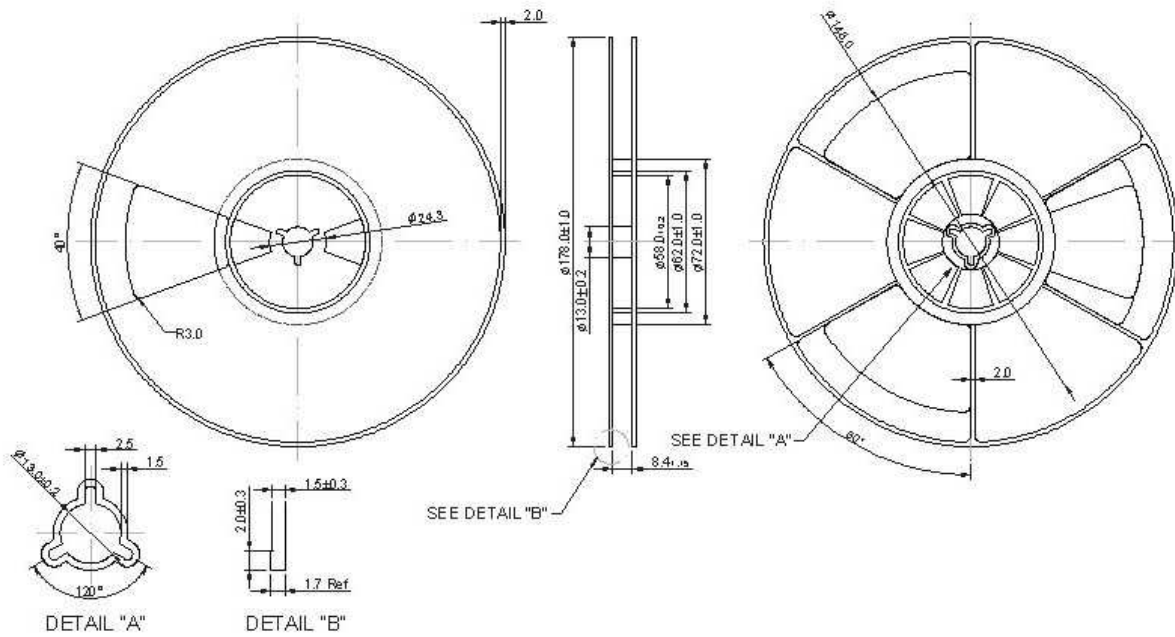


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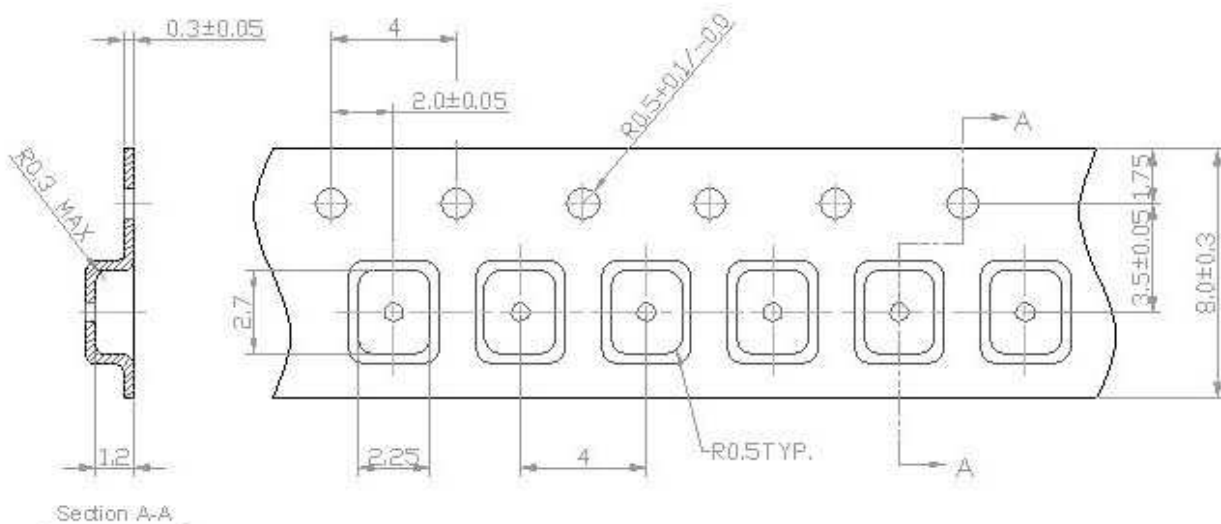
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F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



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G. REFLOW PROFILE:

1. Preheating shall be fixed at 140 ~ 160°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 200°C for 50 ~ 60 seconds and at 230 ± 10°C peak.

