

SAW Filter 60.0MHz

Model: TB0224A

Part No: MA07308

REV. NO.: 1

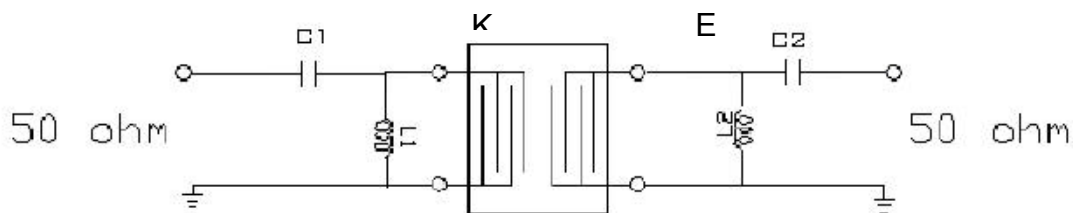
A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. Operating Temperature: -40°C to 85°C
3. Storage Temperature: -40°C to 85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, Fc	MHz	-	60.2	-	
Minimum Insertion Loss, IL	dB	-	9.8	12	
Amplitude Ripple (58.26~61.74MHz), AR	MHz	-	0.8	1.2	
Group delay ripple (58~72MHz), GDR	ns	-	110	150	
Phase Linearity, PL	deg		3	10	
1dB Bandwidth	MHz	4.35	5.4		
3dB Bandwidth	MHz	5	6		
Relative attenuation (relative to min. IL)		-			
10 MHz ~ 52 MHz	dB	40	47	-	
68MHz ~ 110 MHz	dB	37	42	-	
Temperature coefficient of frequency	ppm/°C		-94	-	

C. MEASUREMENT CIRCUIT:



Input L1=220nH, C1=15pF
 Output L2=180nH, C2=22pF

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D. FREQUENCY CHARACTERISTICS:

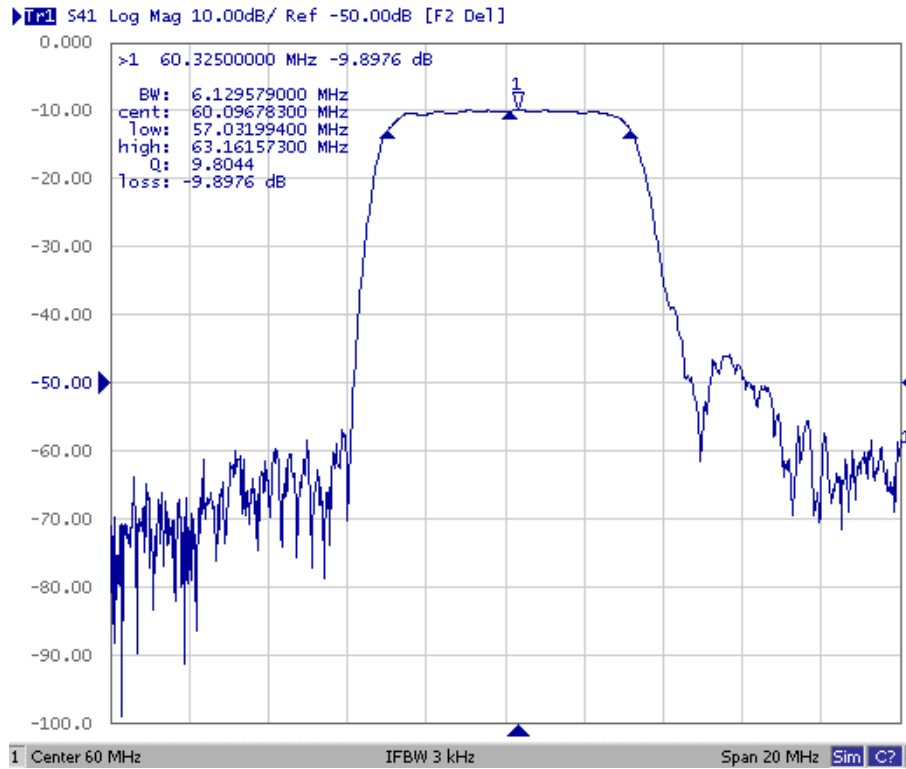


Fig-1 S21 Response Horizontal: 2 MHz/Div. Vertical: 10dB/Div

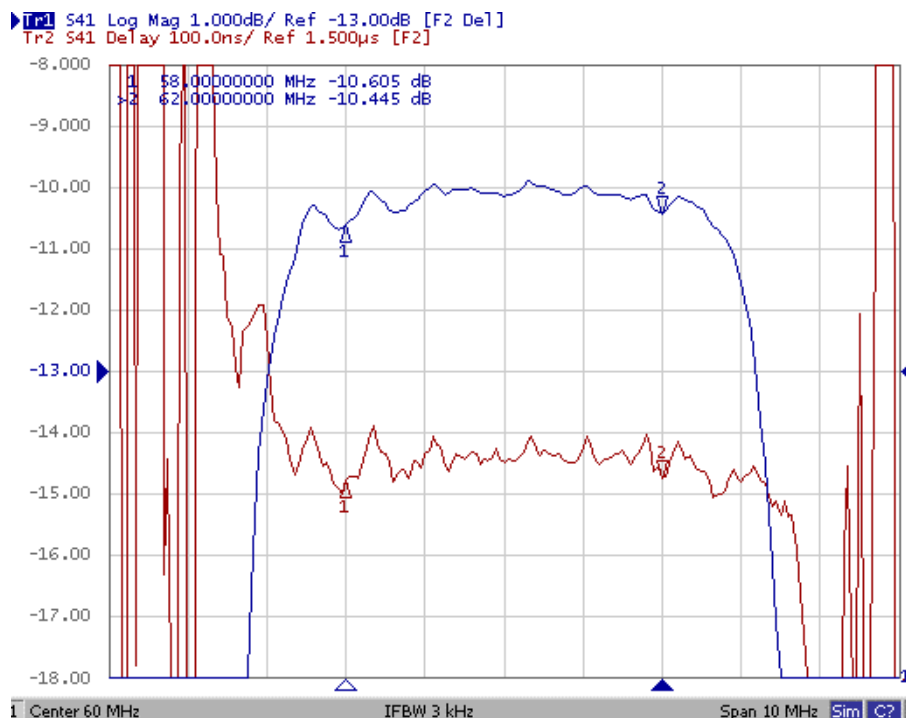
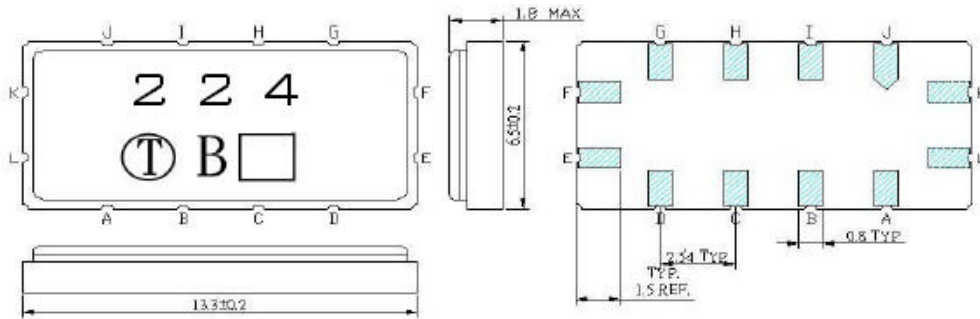


Fig-2 Horizontal: 1M Hz/Div Vertical: 1dB/Div. Vertical: 100ns/Div

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E. OUTLINE DRAWING:



Unit: mm

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- Pin K: RF Input
 - Pin E: RF Output
 - Pin A, B, C, D, F, G, H, I, J, L: To be Ground
 - : Date code

F. PCB FOOTPRINT

