

464.0MHz SAW Filter

Model: TB0360A

Part No: MA09337

REV NO.: 2

A. MAXIMUM RATING:

1. Operating Temperature: -40 °C ~ 85 °C
2. Storage Temperature: -45 °C ~ +85 °C

B. CHARACTERISTICS:

1. Ambient Temperature: 25°C

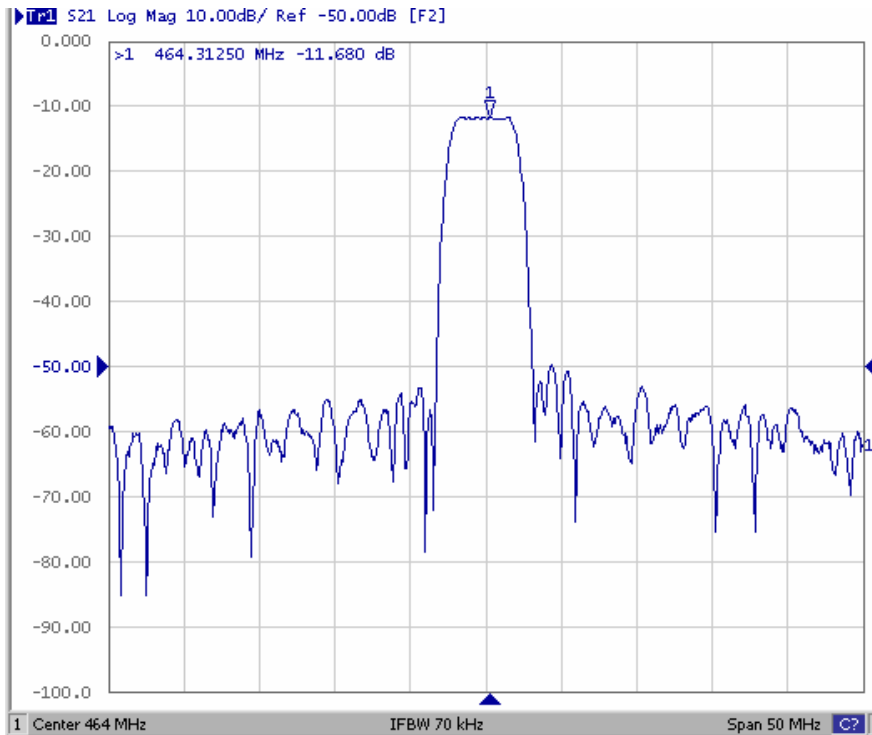
Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_c MHz	-	464	-	-
Minimum Insertion loss I.L. dB	-	11.7	13	-
1 dB Bandwidth MHz	3.4	3.68	3.9	-
Amplitude Ripple (462.5~466.5MHz) dB	-	0.5	1.0	-
Group Delay Ripple(462.5~466.5MHz) nsec	-	70	120	-
Return loss within PB dB	10	13	-	-
Relative attenuation	45	51	-	
$F_c - 200\text{MHz} \dots F_c - 96\text{MHz}$ dB	45	51	-	
$F_c - 96\text{MHz} \dots F_c - 47\text{MHz}$ dB	40	42	-	
$F_c - 47\text{MHz} \dots F_c - 3.5\text{MHz}$ dB	35	38	-	
$F_c + 3.5\text{MHz} \dots F_c + 192\text{MHz}$ dB	45	48	-	
Temperature Coefficient ppm/° C*2	-	0.032	-	

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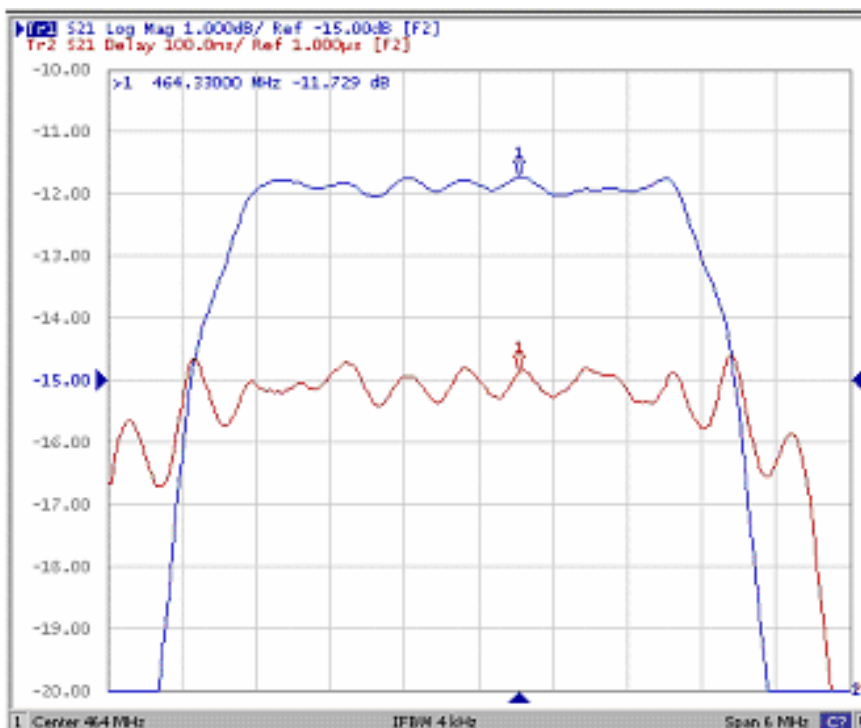
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C. FREQUENCY CHARACTERISTICS:

(1) Frequency Response: (span 50MHz)



(2) Passband response and Group Delay Variation: (span 6MHz)



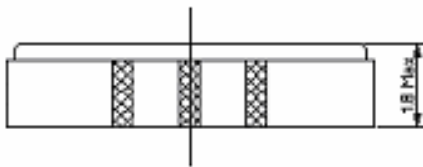
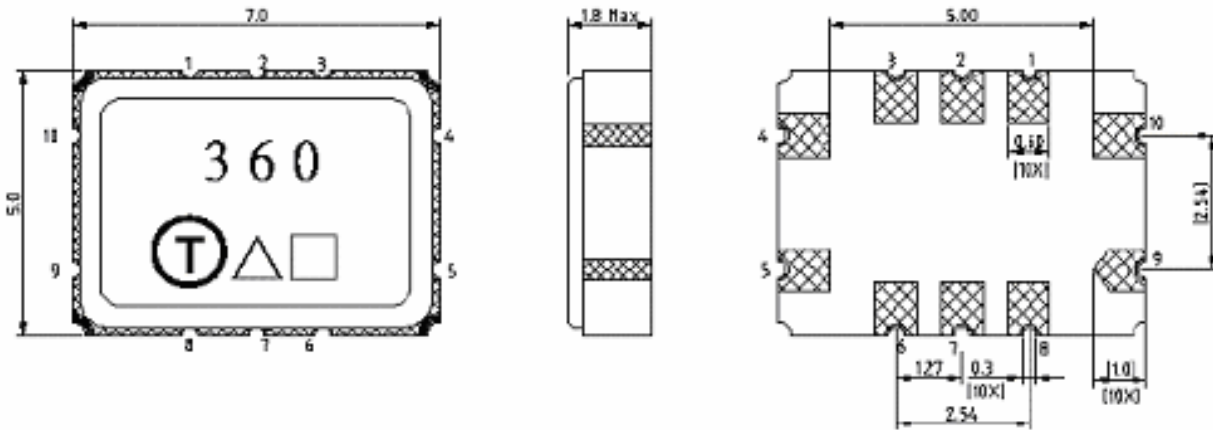
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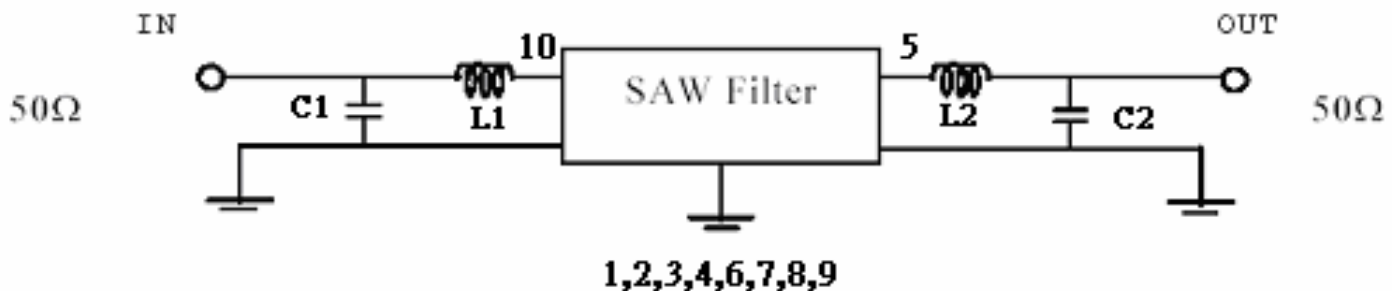
D. OUTLINE DRAWING:



Pin configuration

- #9 Input
- #4 Output
- #10 Balance input or input ground
- #5 Balance output or output ground
- #1,2,3,6,7,8 To be grounded

E. MATCHING CIRCUIT:



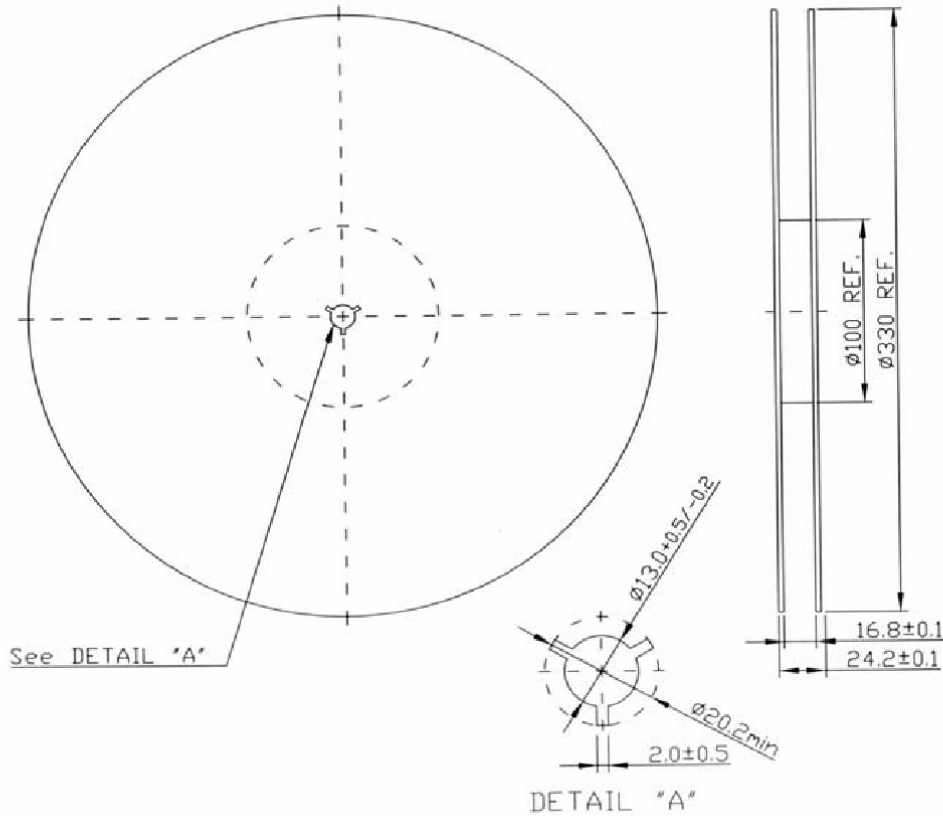
$L1=22\text{nH}; C1=17\text{pF}; L2=18\text{nH}; C2=24\text{pF}$

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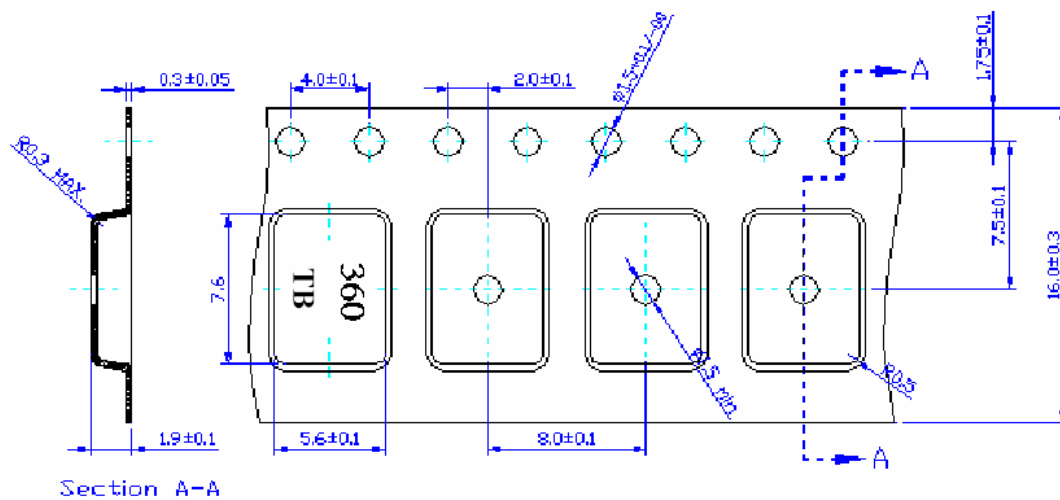
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F. PACKING:

(1). REEL DIMENSION:



(2). TYPE DIMENSION:



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G. RECOMMENDED REFLOW PROFILE:

