

374MHz SAW Filter for WLAN

Model: TB374GD

Part No: MA04268

REV NO.: 7

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. Operating Temperature: -10 °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	-	374	-	
Insertion Loss, IL	dB	-	8.5	10	
Passband width, BW3	MHz	17	24	-	
Amplitude Ripple in Fc +/- 7MHz	dB	-	0.6	1	
Group delay ripple in Fc +/- 7MHz	nS	-	40	100	
Triple transit suppression	dB	30	37	-	
Attenuation:(Reference level from Min IL)					
Fc -100 to -33MHz	dB	45	52	-	
Fc -33 to -22MHz	dB	40	51	-	
Fc -22 to -16.5MHz	dB	30	42	-	
Fc +16.5 to +22MHz	dB	30	41	-	
Fc +22 to +43 MHz	dB	35	44		
Fc +43 to +100MHz	dB	40	47	-	

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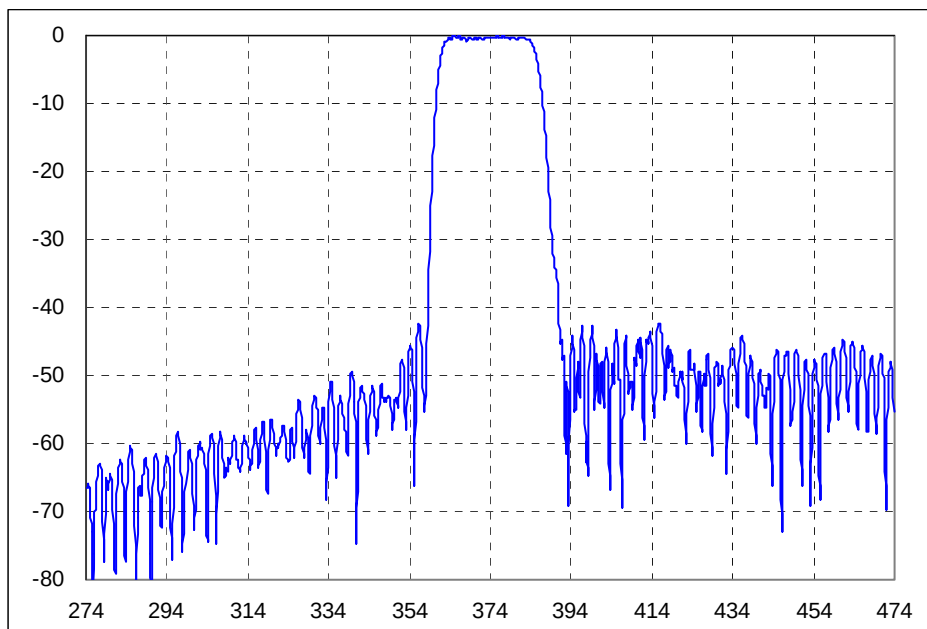
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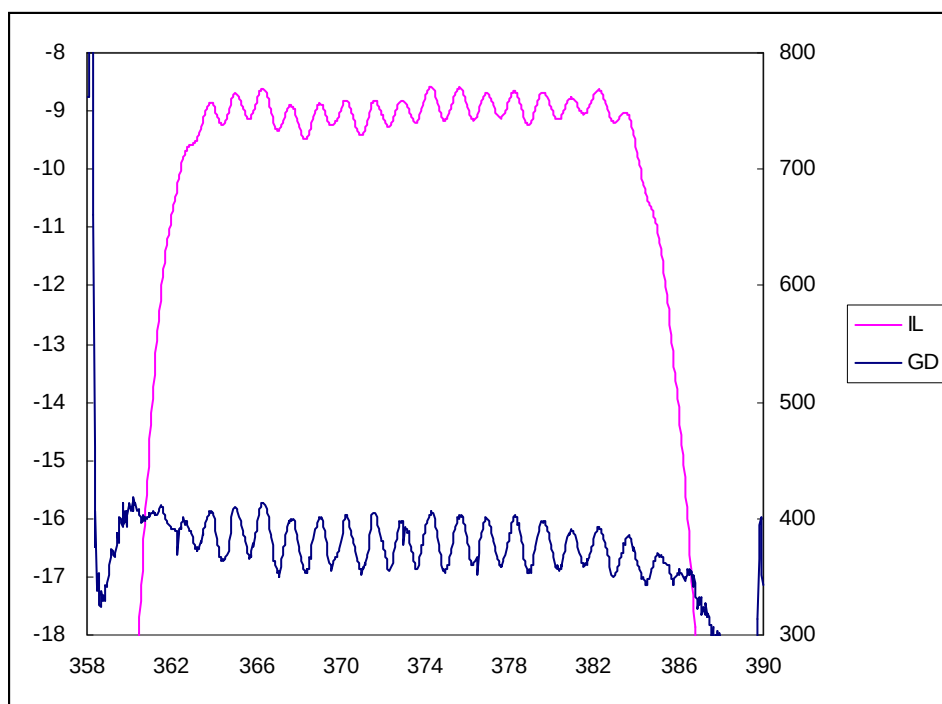
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C. FREQUENCY CHARACTERISTICS:

(1) Wide band Response:



(2) Passband Response:



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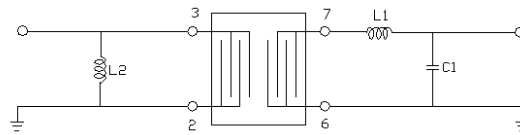
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D. MEASUREMENT CIRCUIT:

(1) 50Ω unbalanced:

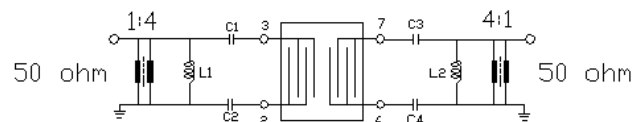


$L2=27\text{nH}$

$L1=22\text{nH}$

$C1=7\text{PF}$

(2) 200Ω balanced:

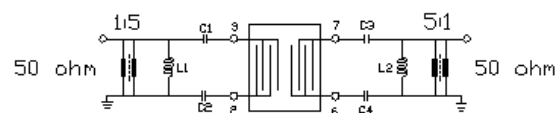


$C1=C2=27\text{PF}$ $C3=C4=15\text{PF}$

$L1=27\text{NH}$

$L2=27\text{NH}$

(3) 250Ω balanced:



$C1=C2=26\text{PF}$ $C3=C4=9\text{PF}$

$L1=29\text{NH}$

$L2=41\text{NH}$

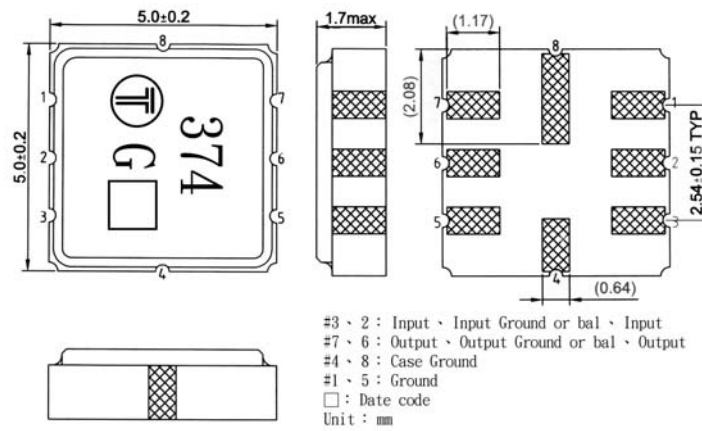
E. OUTLINE DRAWING:

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