

SAW Filter 452.70MHz

Model: TB0205A

Part No: MA08247

REV NO.: 1

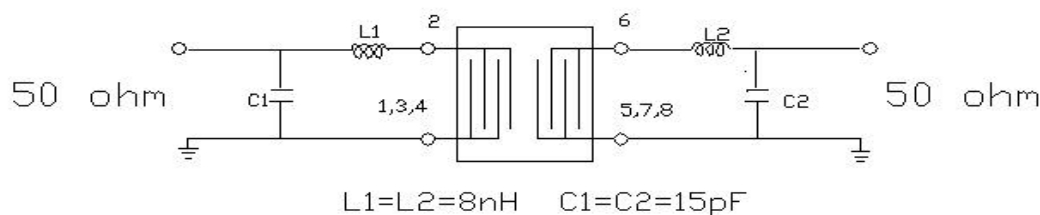
A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. Operating Temperature: -40°C to 85°C
3. Storage Temperature : -40°C to 85°C
- 4 DC Voltage: 0V

B. ELECTRICAL CHARACTERISTICS:

Characteristics		Value		
		Min.	Typ.	Max.
Center frequency F_c	(MHz)	452.3	452.7	453.7
3dB Bandwidth	(MHz)	5	5.6	-
10dB Bandwidth	(MHz)	-	7.5	8.6
20dB Bandwidth	(MHz)	-	8.8	16
Minimum insertion loss.	(dB)	-	6	7
Ripple at 451.4~454.6MHz	(P-P dB)	-	0.7	1
Phase linearity at 451.4 MHz~454.6 MHz	(P-P°)	-	3.5	6
Group delay ripple at 451.4 MHz~454.6 MHz	(P-P nS)	-	50	100
Absolute Group Delay at 451.4 MHz~454.6 MHz	(nS)	-	300	1000
Return Loss (Input and Output)	(dB)	8	9	-
Triple Transit Suppression	(dB)	35	40	-
Attenuation:(Reference level from Minimum IL)				
(1) 415MHz~437MHz	(dB)	30	40	
(2) 437MHz~447MHz	(dB)	20	30	
(3) 459MHz~469MHz	(dB)	20	25	
(4) 469MHz~485MHz	(dB)	30	35	

C. MEASUREMENT CIRCUIT:



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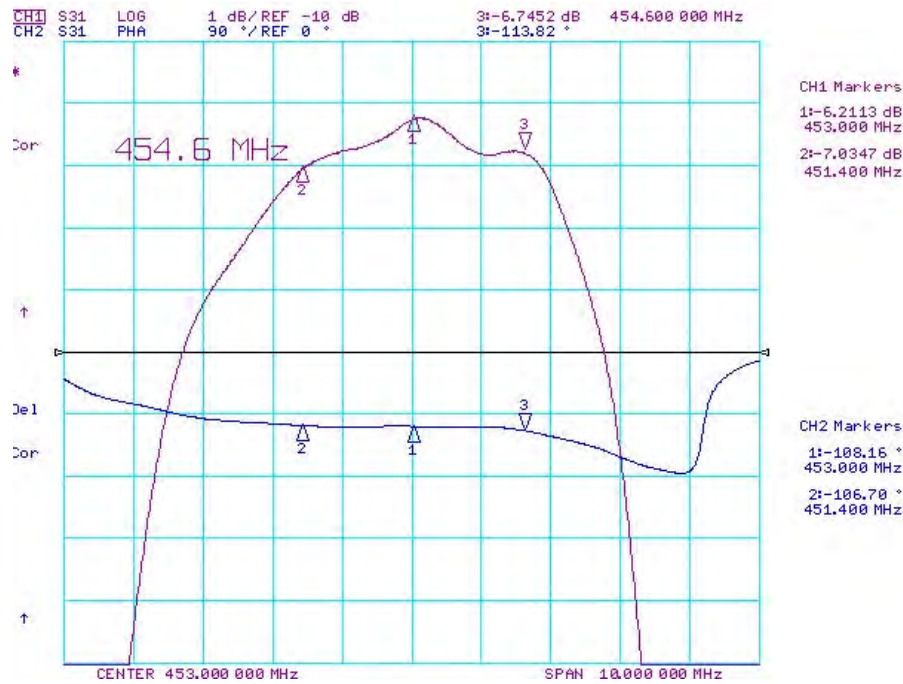
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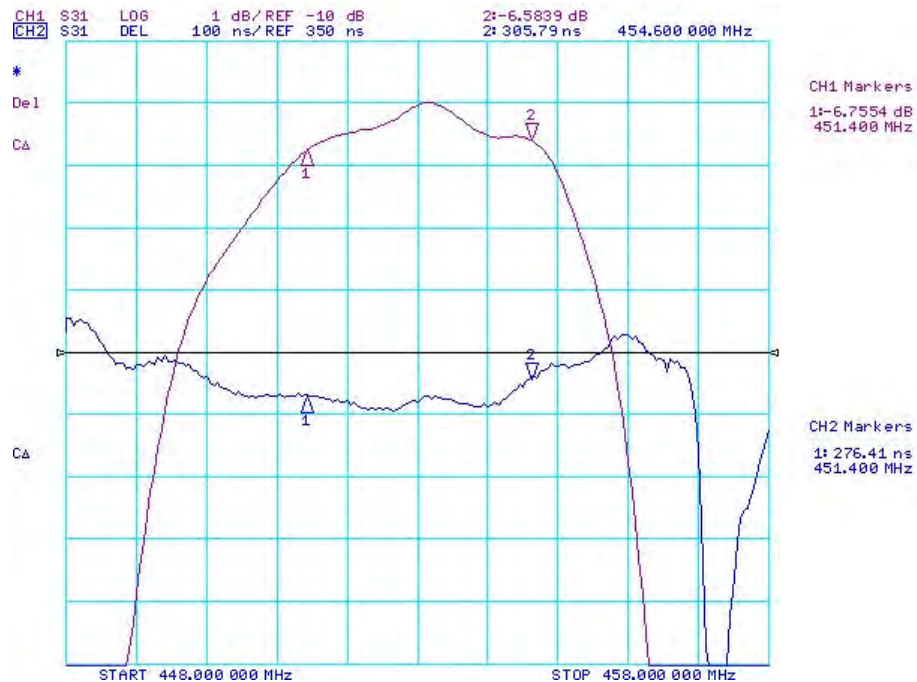
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D. FREQUENCY CHARACTERISTICS:

(1) Passband of Response:



Phase linearity, Horizontal:1 MHz/Div
 Vertical 1: 1 dB/Div Vertical 2 : 90 degree/Div

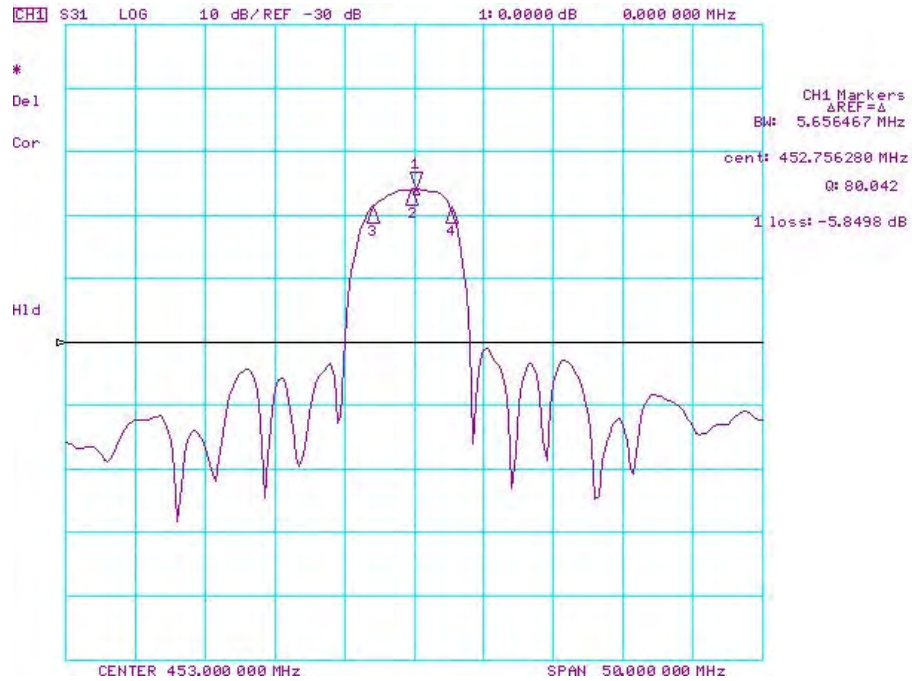


Group Delay and Ripple, Horizontal:1 MHz/Div
 Vertical 1: 1 dB/Div Vertical 2: 100 nS/Div

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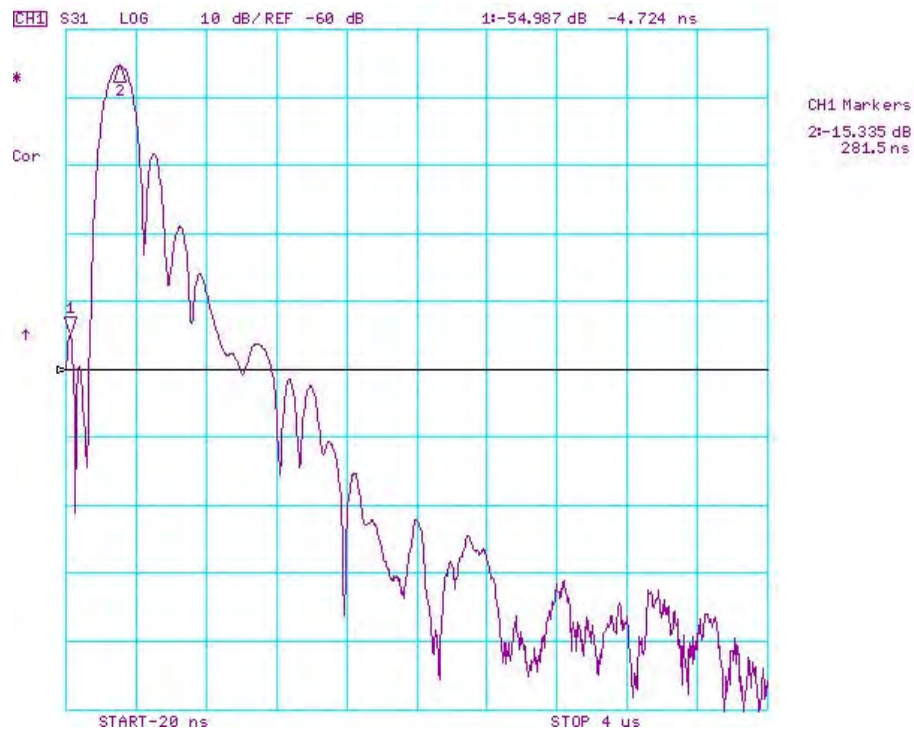
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(2) Wide Band Response:



Horizontal: 5MHz/Div
Vertical: 10dB/Div
Reference: -30dB

(3). Triple Transit Suppression



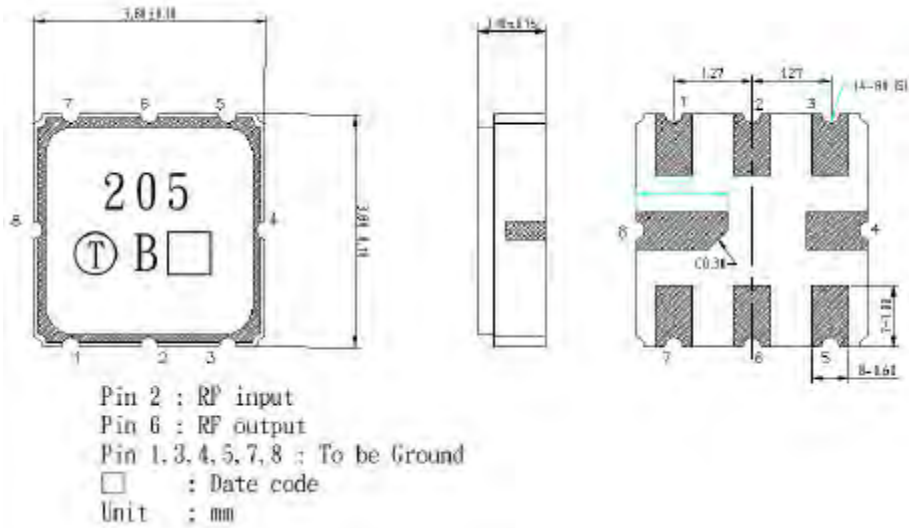
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E. OUTLINE DRAWING:



F. PCB FOOTPRINT

