

SAW Filter 479.50MHz
Part No: MA06392

Model: TE0107A
REV. NO.: 1

A. MAXIMUM RATING:

1. AC Voltage Vac: 5V
2. Operating Temperature: -25°C to 85°C
3. Storage Temperature: -40°C to 85°C

B. ELECTRICAL CHARACTERISTICS OF CHANNEL 1:

Item	Unit	Min.	Type.	Max.
Center frequency, Fc	MHz	-	479.5	-
Insertion Loss, IL at Fc	dB	-	21.0	22.5
Passband width, BW3	MHz	-	26	-
Amplitude Ripple in Fc±8.5MHz	dB	-	0.6	1.0
Group delay ripple in Fc±13.5MHz	nS	-	20	32
Attenuation:(Reference level from IL)				
Fc -13.5MHz	dB	-	3.0	4.5
Fc +13.5MHz	dB	-	3.5	4.5
Fc -50 to -27.5MHz	dB	36	40	-
Fc +27.5 to +50MHz	dB	34	40	-
Temperature coefficient of frequency	ppm/c	-	-86	-

C. ELECTRICAL CHARACTERISTICS OF CHANNEL 2:

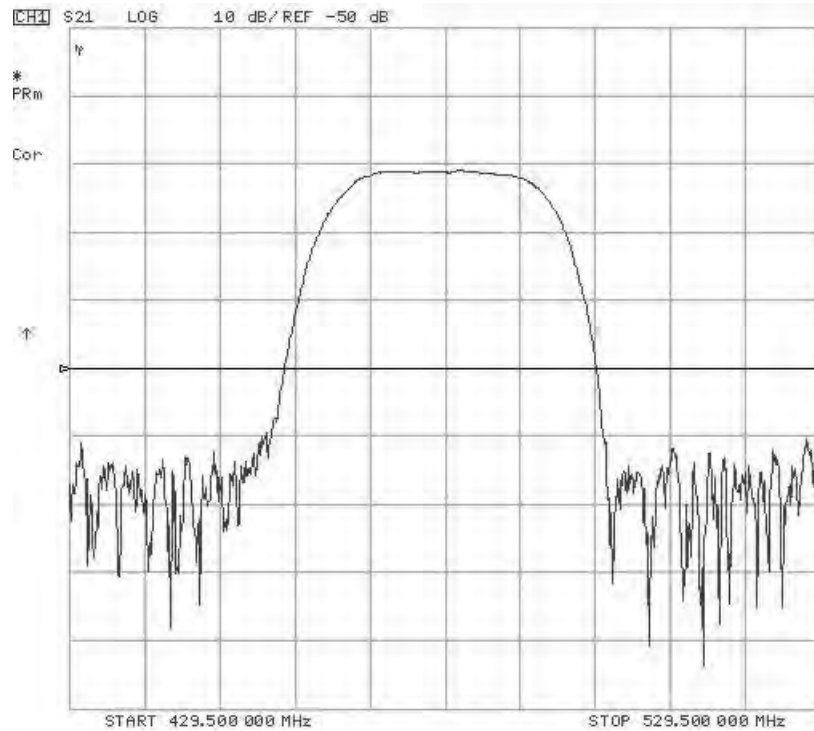
Item	Unit	Min.	Type.	Max.
Center frequency, Fc	MHz	-	479.5	-
Insertion Loss, IL at Fc	dB	-	21.3	22.5
Passband width, BW3	MHz	-	18	-
Amplitude Ripple in Fc±3.5MHz	dB	-	0.35	0.8
Group delay ripple in Fc±9MHz	nS	-	18	28
Attenuation:(Reference level from IL)				
Fc -9MHz	dB	-	2.5	4.5
Fc +9MHz	dB	-	2.5	4.5
Fc -50 to -22MHz	dB	36	40	-
Fc +21 to +50MHz	dB	34	40	-
Temperature coefficient of frequency	ppm/c	-	-86	-

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D. FREQUENCY CHARACTERISTICS OF CHANNEL 1:

(1) Frequency Response:



(2) Amplitude Ripple & Group Delay:

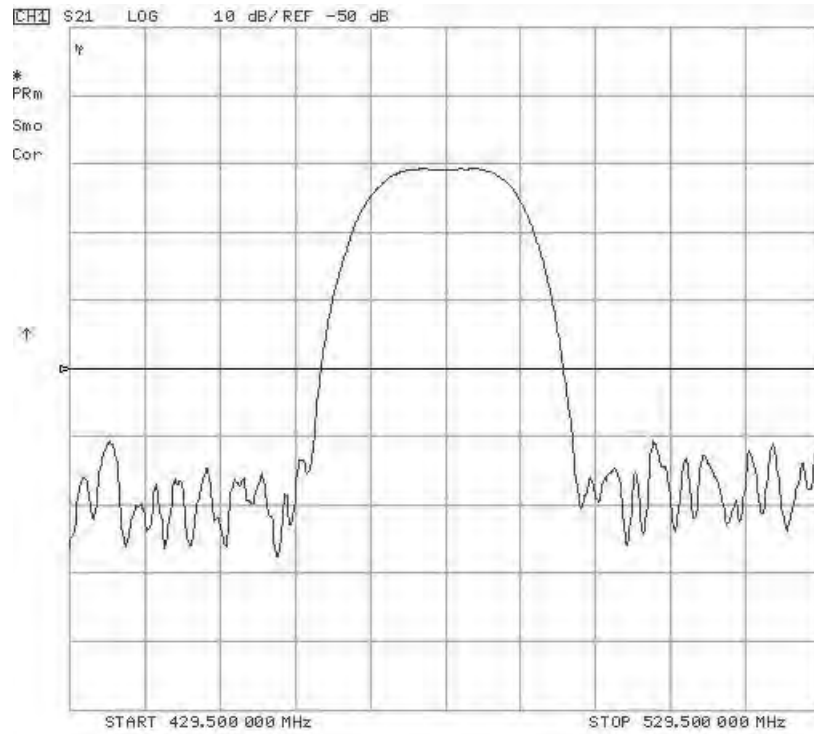


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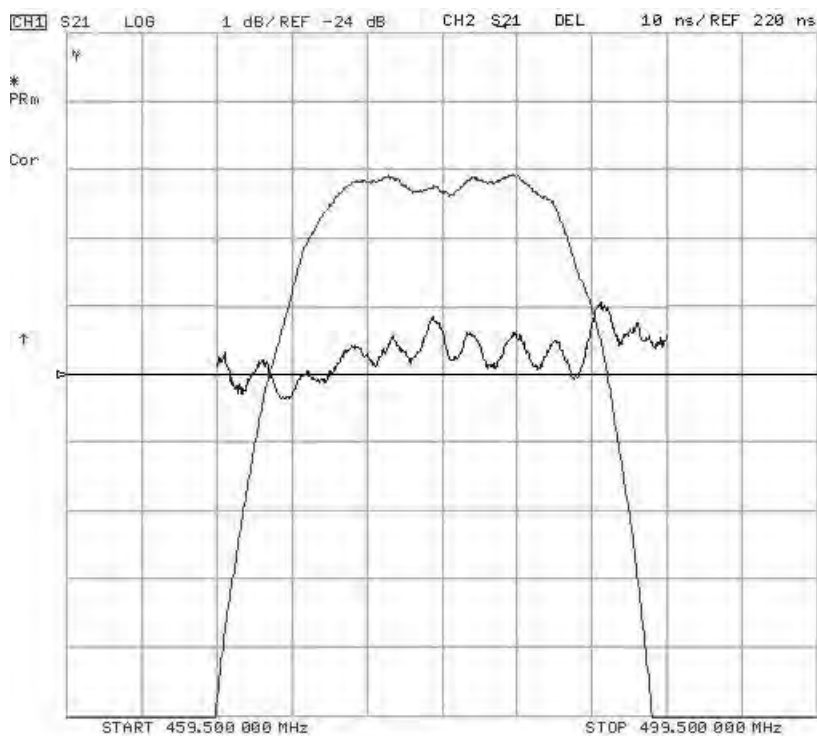
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E. FREQUENCY CHARACTERISTICS OF CHANNEL 2:

(1) Frequency Response:



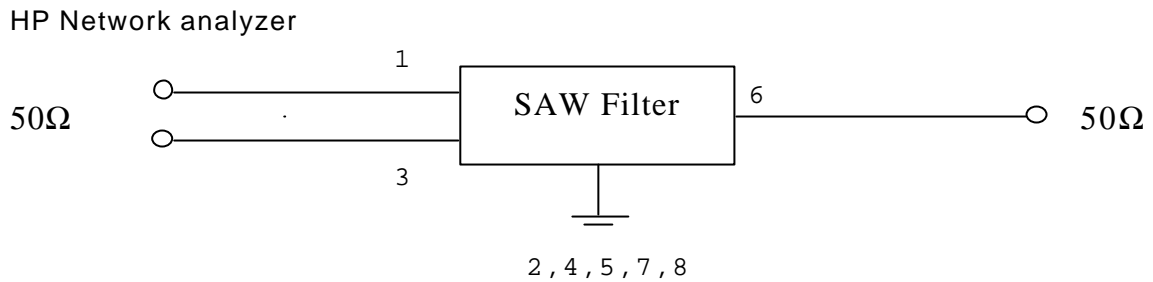
(2) Amplitude ripple & Group Delay:



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F. MEASUREMENT CIRCUIT:



G. OUTLINE DRAWING:

