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Golledge Electronics Ltd
Ashwell Park, Ilminster
Somerset, TA19 9DX, UK

465.0MHz SAW Filter — Model: **TB0206A**

Part No: **MA05709** — REV NO.: 2

A. MAXIMUM RATING:

1.Operating Temperature: -0 °C ~ 70 °C

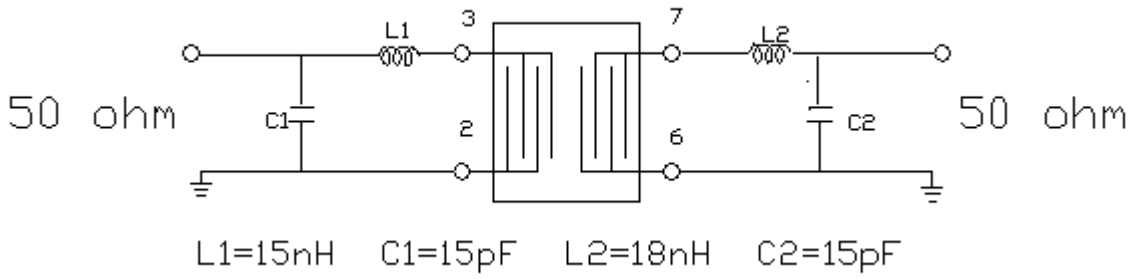
2. Storage Temperature: -40 °C ~ +85 °C

B. ELECTRICAL CHARACTERISTICS:

Ambient Temperature: 25 °C

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_C MHz	-	465	-	-
Minimum Insertion loss I.L. dB	-	11.5	14	-
Lower 1 dB Bandedge MHz	-	453.8	456.7	-
Upper 1 dB Bandedge MHz	473.3	475.3	-	-
Passband Ripple (456.7~473.3MHz) dB	-	0.5	1	-
Group Delay Ripple (456.7~473.3MHz) dB	-	38	70	-
Input VSWR (456.7~473.3MHz)	-	1.2	2	-
Output VSWR (456.7~473.3MHz)	-	1.4	2	-
Attenuation:(Reference level from minimum insertion loss) dB				
1) 10 MHz….405 MHz dB	45	54	-	-
2) 405 MHz ~ 440 MHz dB	40	49	-	-
3) 490 MHz ~ 510 MHz dB	40	47	-	-
4) 510 MHz ~ 580 MHz dB	40	55	-	-

C. MEASUREMENT CIRCUIT:



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D. FREQUENCY CHARACTERISTICS:

1. S21 Response

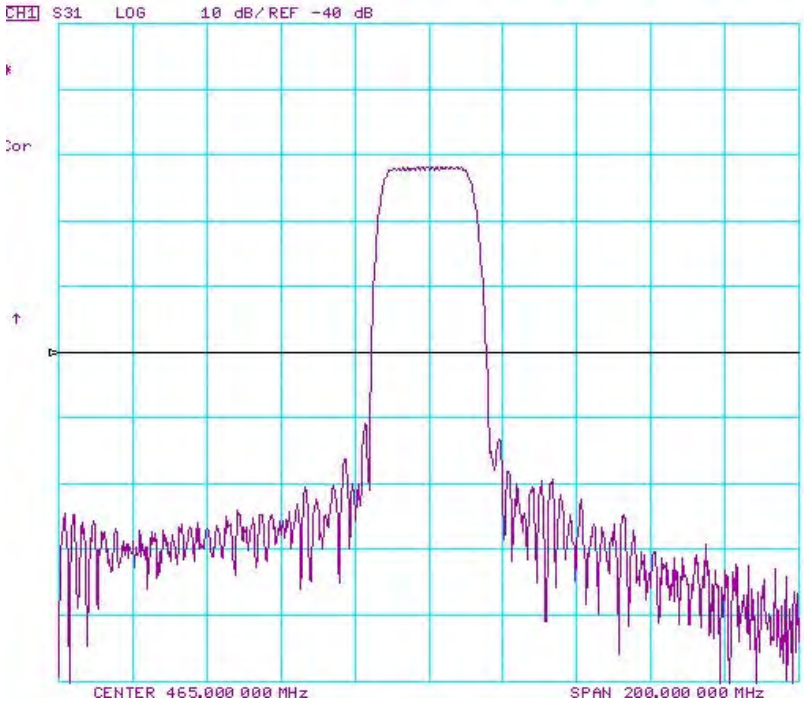


Fig1. Horizontal: 20MHz/Div Vertical: 10dB/Div

2. S21 Response (Group delay ripple of Passband)

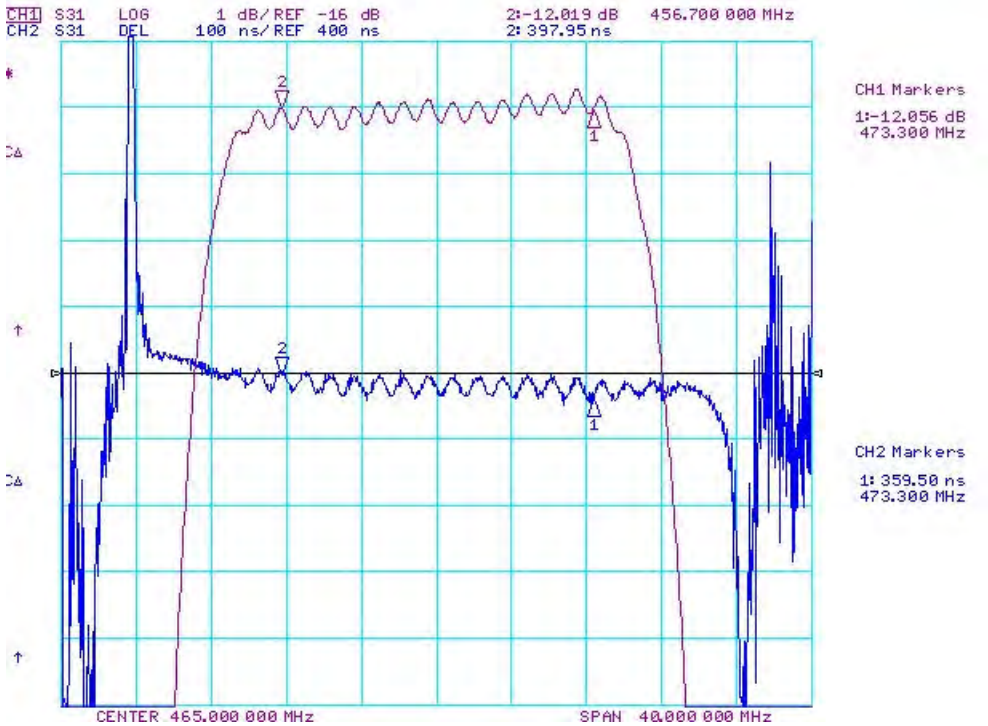


Fig2. Horizontal: 4MHz/Div Vertical: 1dB/Div. Vertical 2: 100nS/Div

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3. S21 Response (Wideband)

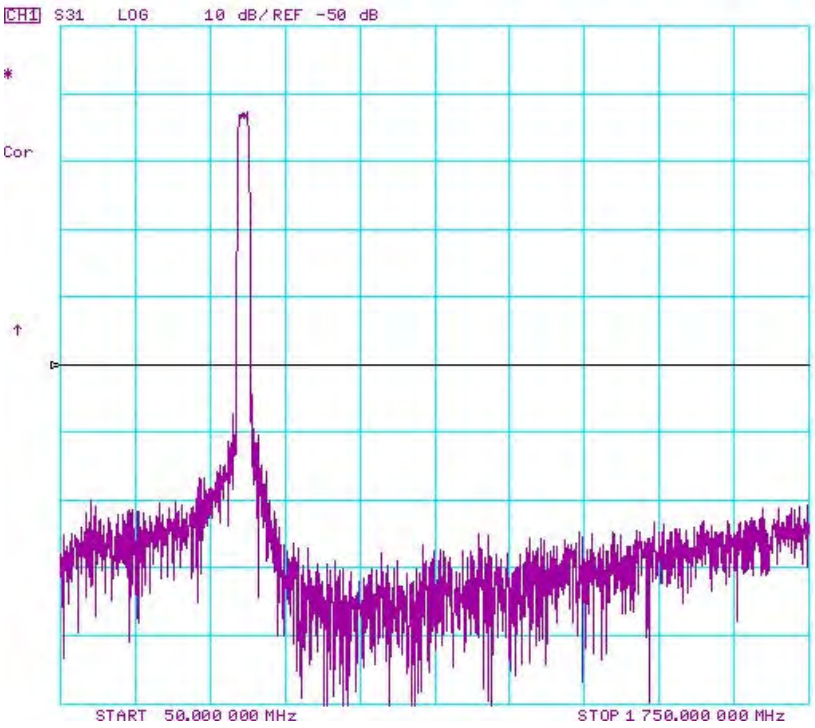
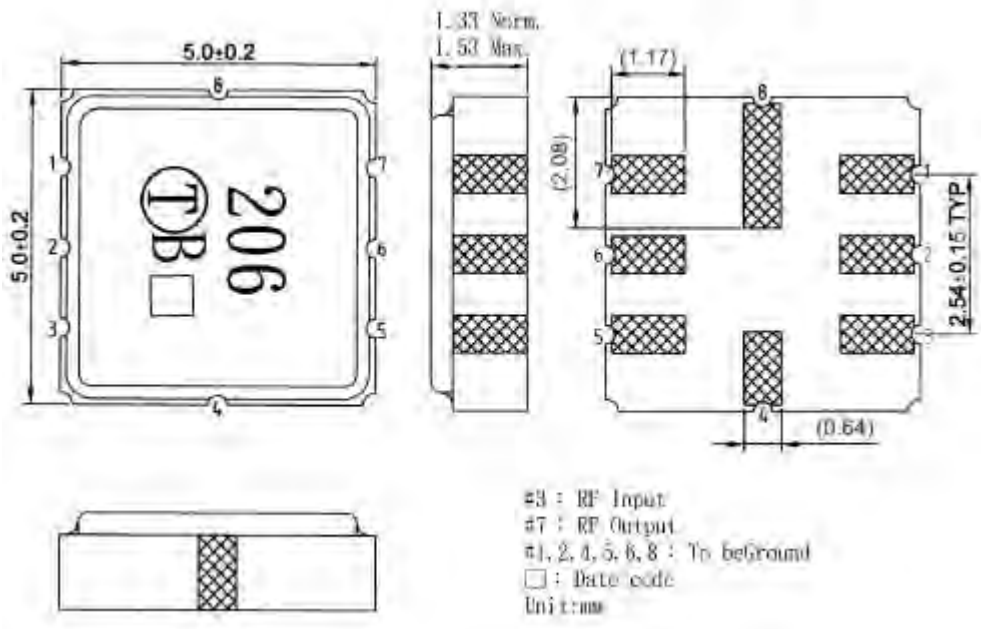


Fig3. Horizontal: 50MHz~1.75GHz Vertical: 10dB/Div

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E. OUTLINE DRAWING:

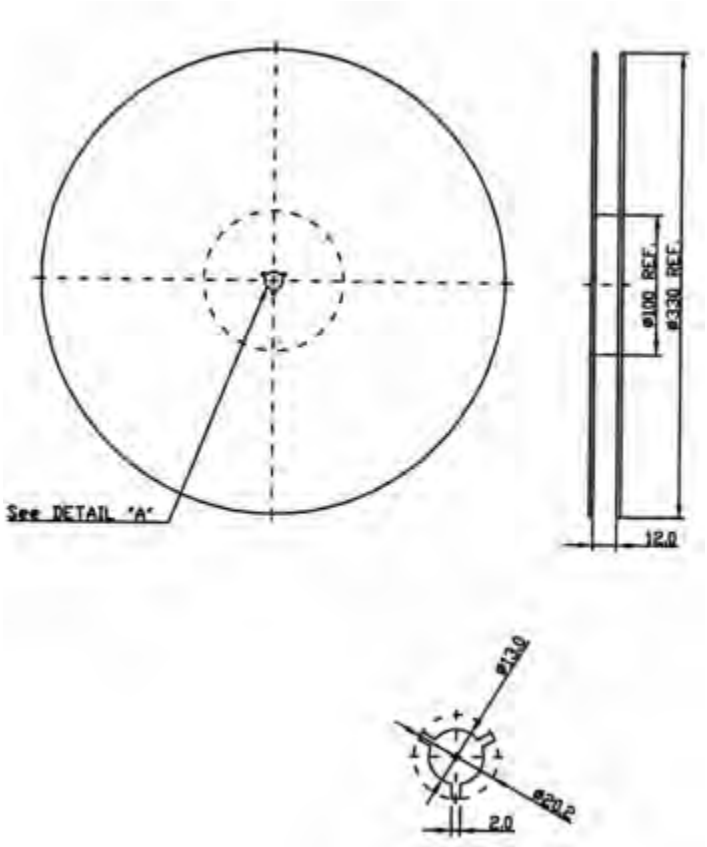


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F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

