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Golledge Electronics Ltd
Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

SAW Filter 810MHz — Model: TA0478A
Part No: MP03050 — Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 5V
3. Operating Temperature: -40℃ to 85℃
4. Storage Temperature: -40℃ to +85℃

B. CHARACTERISTICS:

Item	Min.	Typ.	Max.
Center frequency Fc MHz	-	810	-
Insertion loss 805 ~ 815MHz IL dB	-	2.1	4.3
Amplitude ripple 805 ~ 815MHz dB	-	0.5	2.0
Group delay variation 805 ~ 815MHz ns	-	14	130
3dB Bandwidth BW-3dB MHz	-	27	-
10dB Bandwidth BW-10dB MHz	-	31.8	-
20dB Bandwidth BW-20dB MHz	-	37.7	-
30dB Bandwidth BW-30dB MHz	-	49.6	-
Attenuation (Reference level from 0dB)			
680 ~ 770 MHz dB	35	53	-
860 MHz dB	40	49	-
Temperature coefficient of frequency ppm/K	-	-36	-
Source impedance Z_S Ω	-	50	-
Load impedance Z_L Ω	-	50	-

Note: No matching network required for operation at 50Ω

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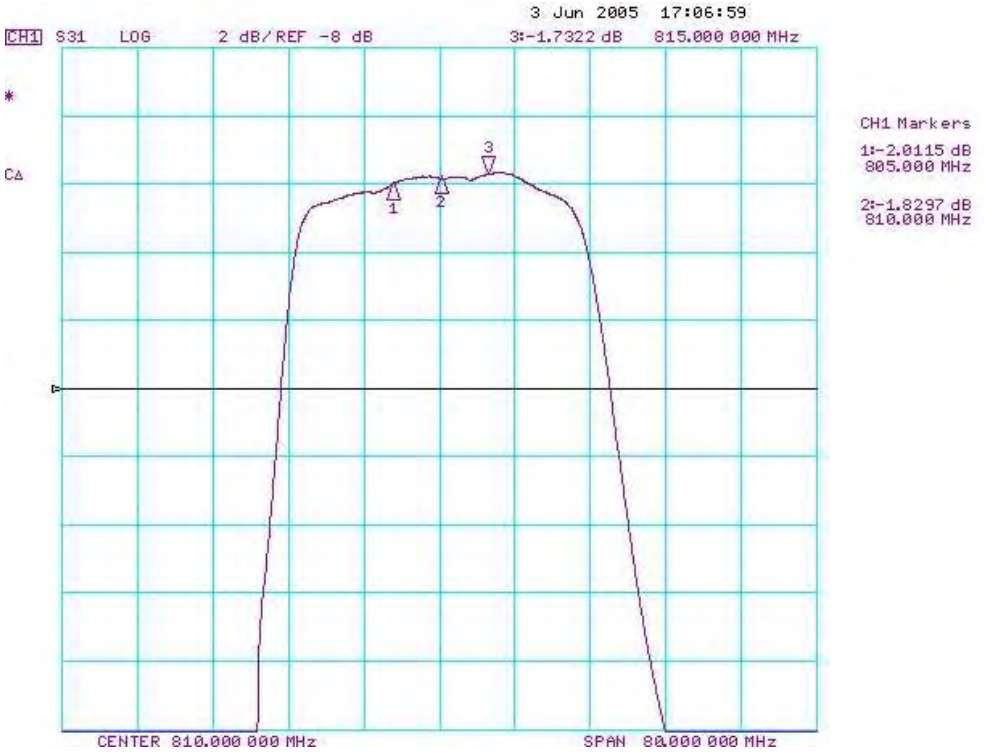
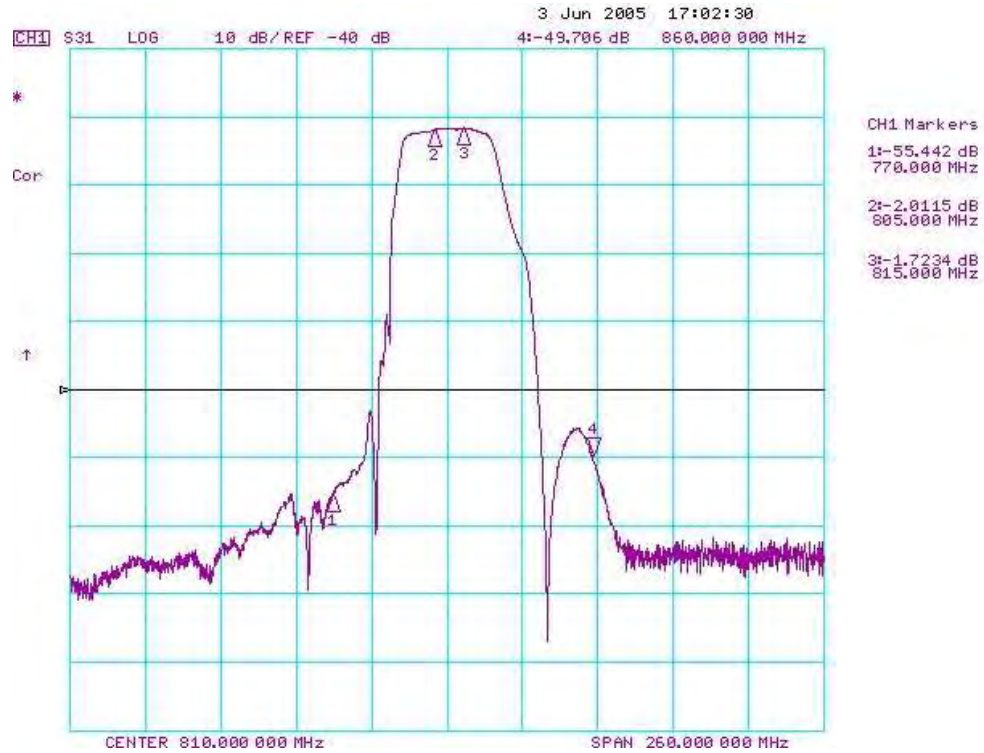
C. TRANSFER FUNCTION:





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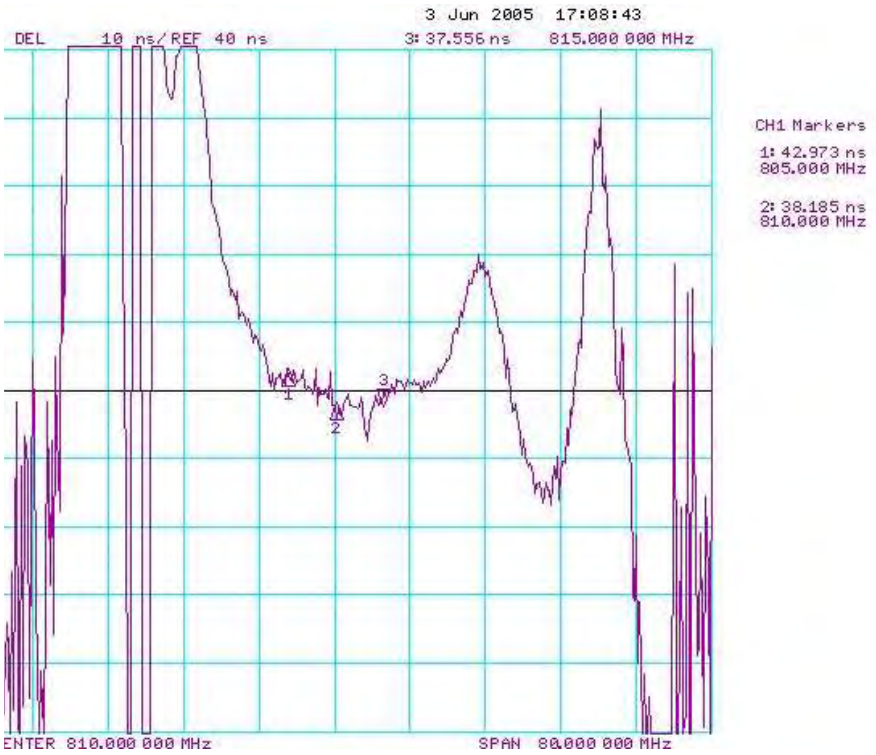
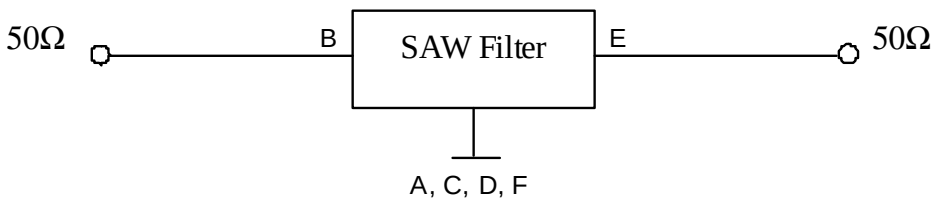
Group Delay



D. MEASUREMENT CIRCUIT:

HP Network analyzer



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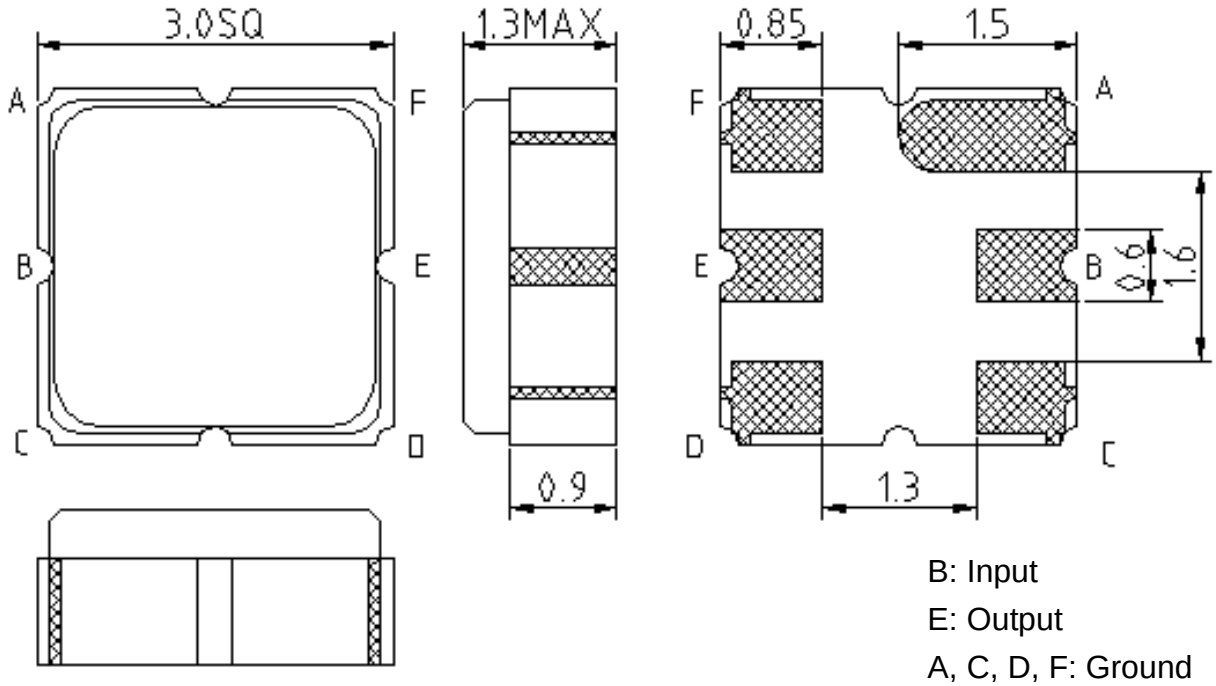
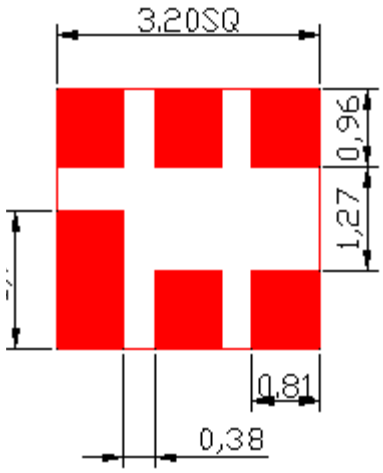
E. OUTLINE DRAWING:



B: Input
E: Output
A, C, D, F: Ground
Unit: mm

F. PCB FOOTPRINT:



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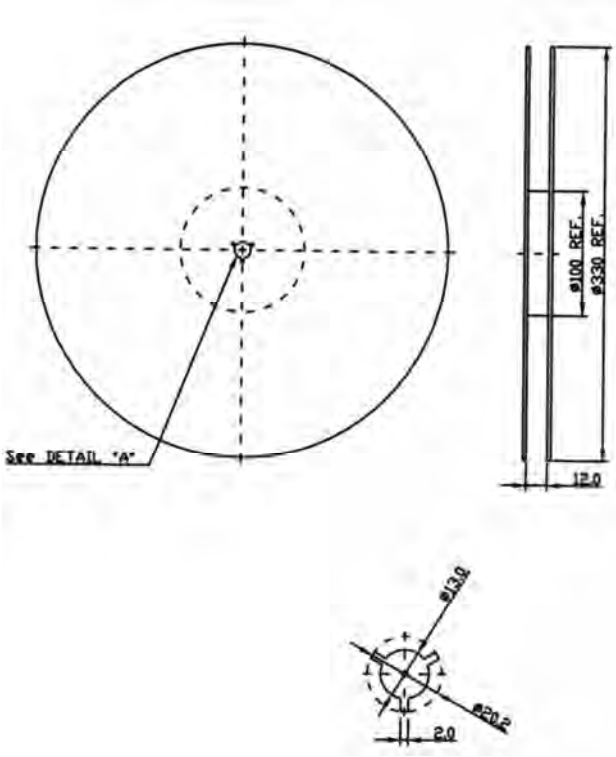
G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

