Tel: +44 1460 256 100
Fax: +44 1460 256 101
www.golledge.com

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

SAW Filter 400.0MHz — Model: TA0971A
Part No: MP03754 — Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 6V
3. Operating Temperature: -40°C to +125°C
4. Storage Temperature: -40°C to +125°C

B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.	Note
Center frequency Fc (MHz)	-	400	-	1
Minimum IL (dB) IL min	-	3.0	4.0	
Pass band (relative to IL min)				
399.875 ~ 400.125MHz (dB)	-	0.7	3.0	1
Attenuation: (relative to IL min) (dB)				
10.0 ~ 370.0MHz (dB)	50	56	-	
370.0 ~ 390.0MHz (dB)	42	46	-	
390.0 ~ 398.8MHz (dB)	22	25	-	1
401.0 ~ 409.0MHz (dB)	10	22	-	
409.0 ~ 414.0MHz (dB)	30	40	-	
414.0 ~ 800.0MHz (dB)	42	50	-	
800.0 ~ 2500.0MHz (dB)	45	55		
Impedance at F_C; Input $Z_{IN} = R_{IN} // C_{IN}$	865Ω // 2 pF			
Output $Z_{OUT} = R_{OUT} // C_{OUT}$	865Ω // 2 pF			
Turnover To (deg. C)				

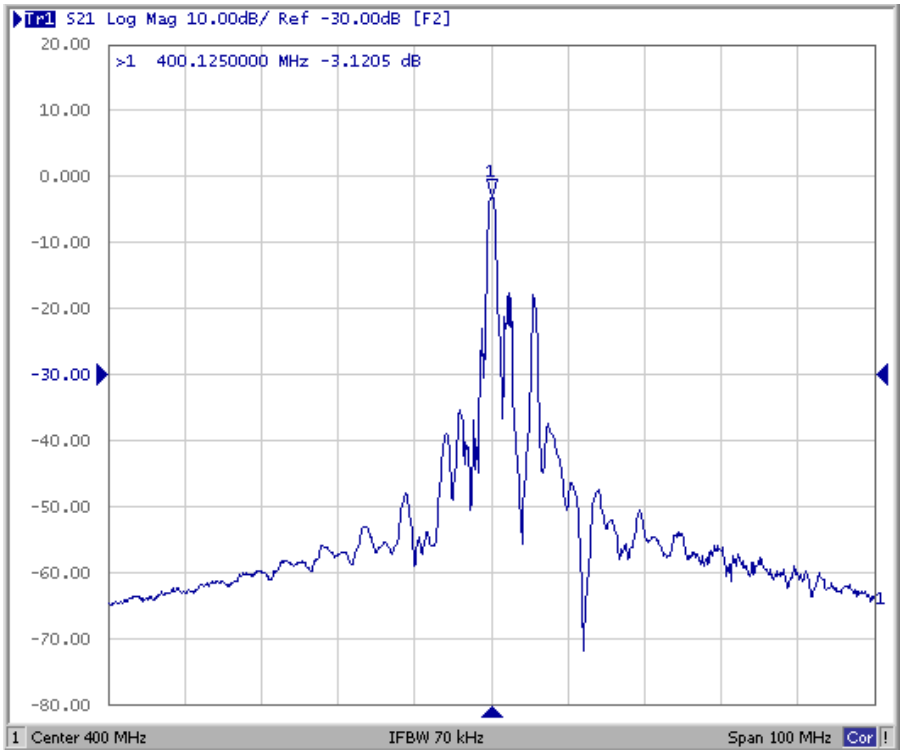
Note 1: The standard definitions is in JIS C 6703

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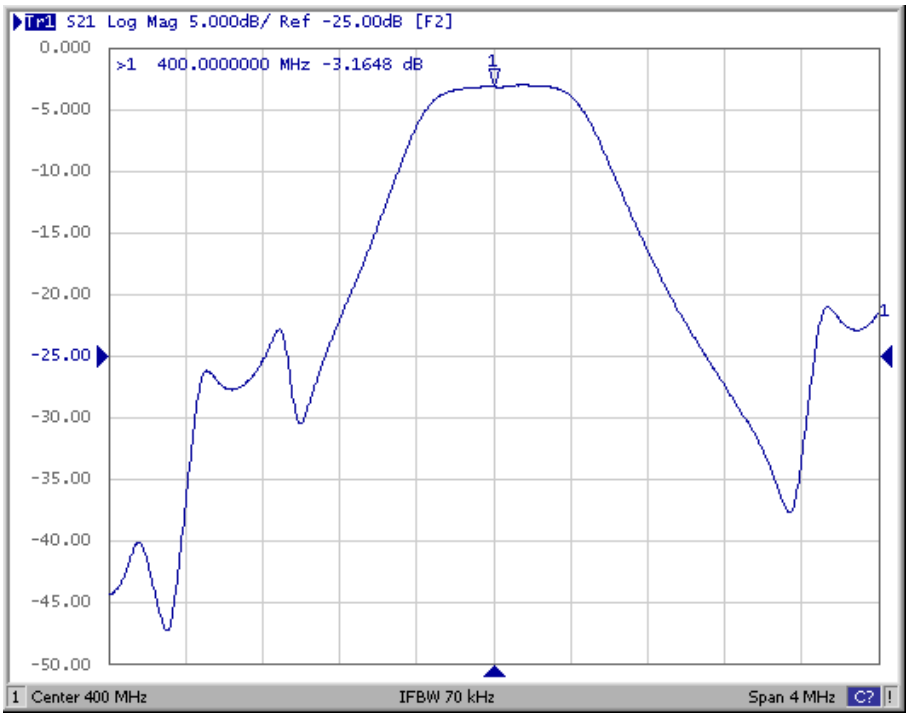
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C. FREQUENCY CHARACTERISTICS:

1. Wide band Response: (span 100MHz)



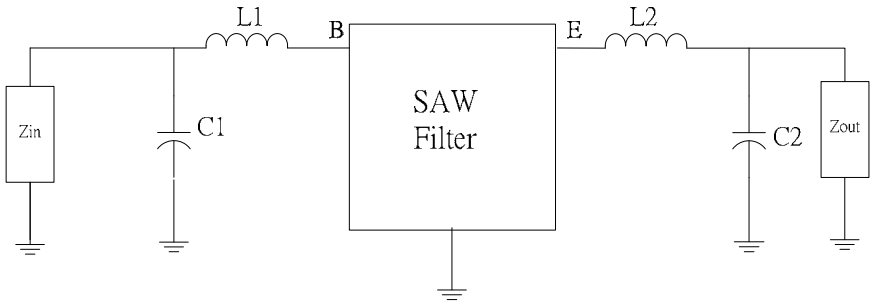
2. Pass band Response: (span 4MHz)



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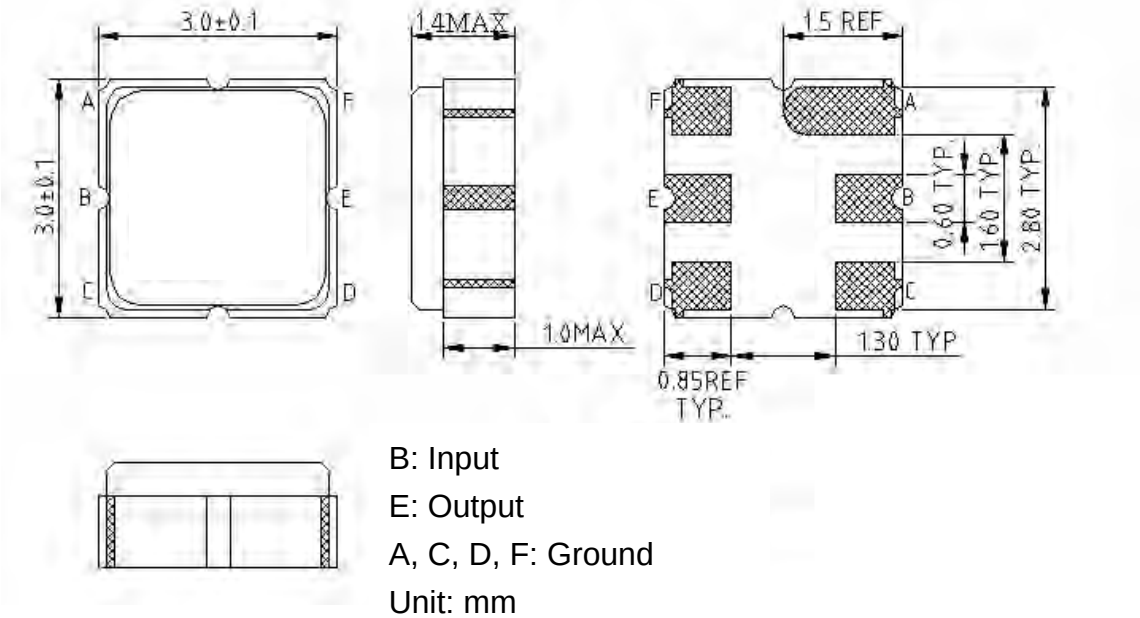
D. MEASUREMENT CIRCUIT:



$Z_{IN} = Z_{OUT} = 50\Omega$

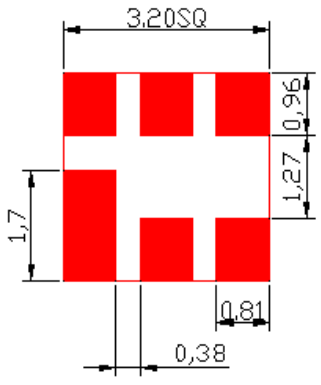
L1 = L2 = 68nH, C1 = C2 = 6.8pF

E. OUTLINE DRAWING:



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

F. PCB FOOTPRINT:

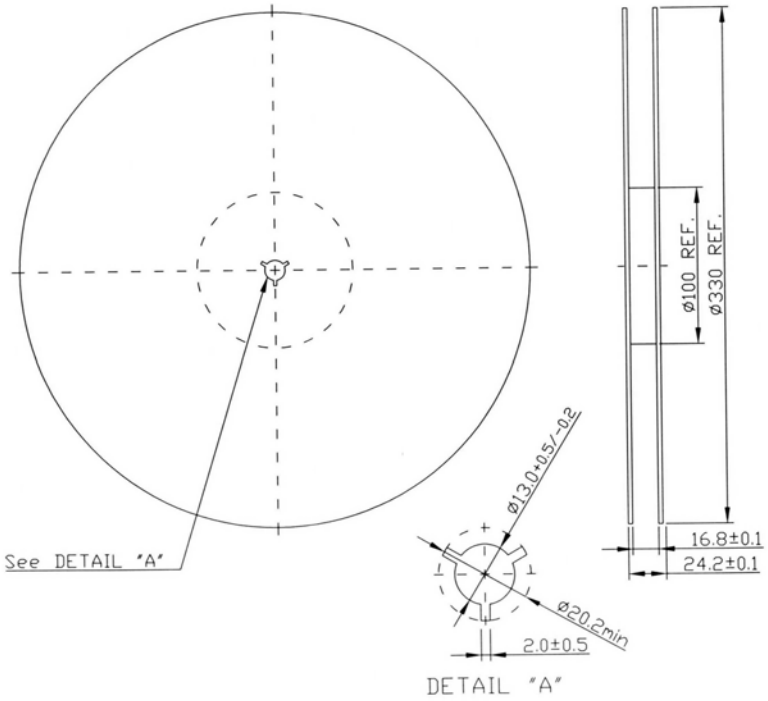


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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

