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www.golledge.com

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

SAW Filter 325MHz — Model: TB0560A

Part No: MP02751 — REV. NO: 1

A. MAXIMUM RATINGS:

1. Input Power Level: 10 dBm
2. Operating Temperature: -40°C ~ 85°C
3. Storage Temperature: -40°C to 85°C

B. ELECTRICAL CHARACTERISTICS:

1. Ambient Temperature: 25°C

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_C MHz	-	325	-	-
Minimum Insertion loss I.L. dB	-	12.8	14	-
1 dB Bandwidth MHz	9.0	10.6	-	-
3 dB Bandwidth MHz	10.0	12.4	-	-
40 dB Bandwidth MHz	-	18.8	35.5	-
Return Loss dB	10	12		
Amplitude Ripple (320.75~329.25MHz) dB P-P	-	0.6	1.0	-
Phase Linearity (320.75~329.25MHz) deg P-P	-	5.0	-	-
Group Delay Ripple (320.75~329.25MHz) ns P-P	-	35	75	-
Attenuation (Reference level from Minimum insertion loss)				
(1) 10 ~ 220MHz dB	50	64	-	-
(2) 220 ~ 300MHz dB	40	47	-	-
(3) 350 ~ 355MHz dB	40	50	-	-
(4) 355 ~ 375MHz dB	35	51	-	-
(5) 375 ~ 380MHz dB	40	51	-	-
(6) 380 ~ 405MHz dB	35	52	-	-
(7) 405 ~ 500MHz Db	40	53	-	-

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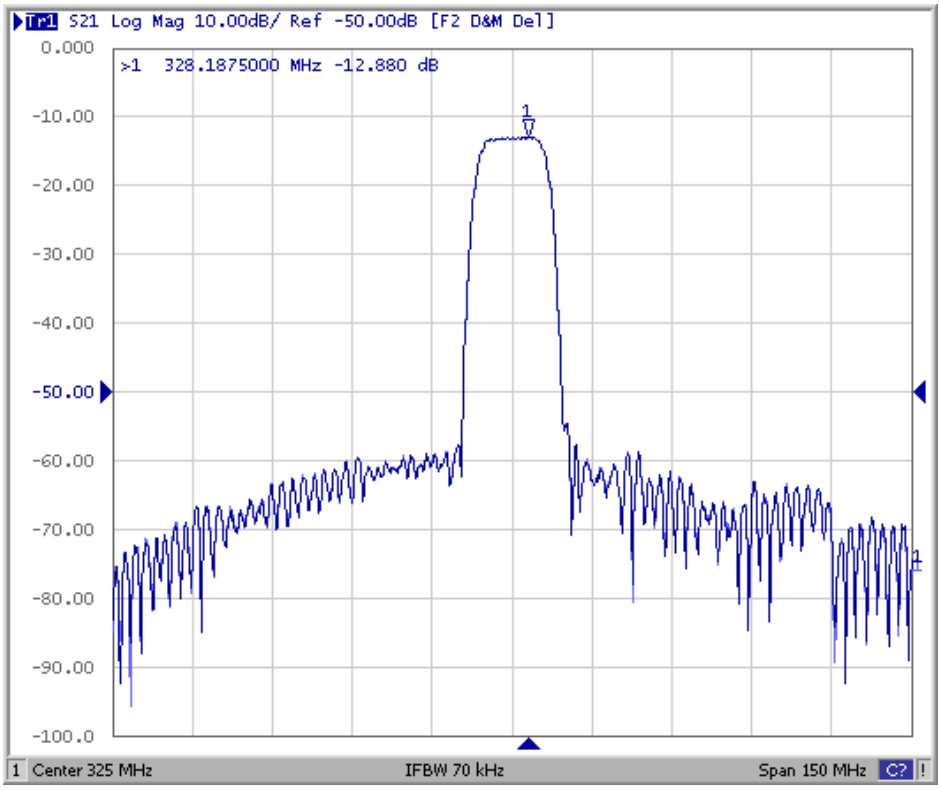
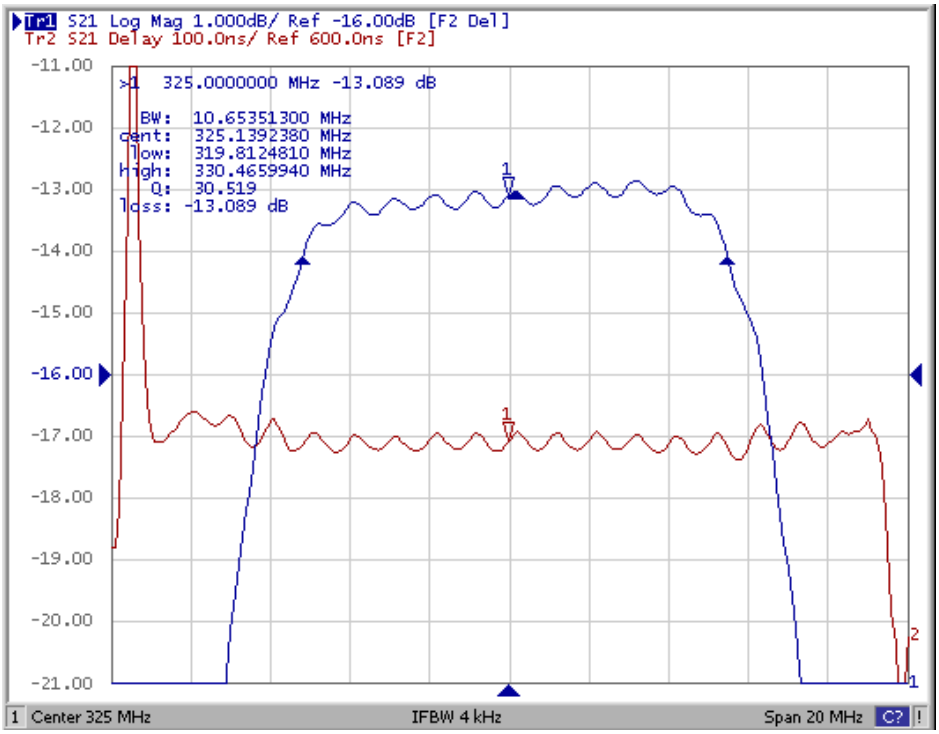
C. FREQUENCY CHARACTERISTICS:

1. S21 Response: (span 150MHz)



2. Passband Response: (span 20MHz)



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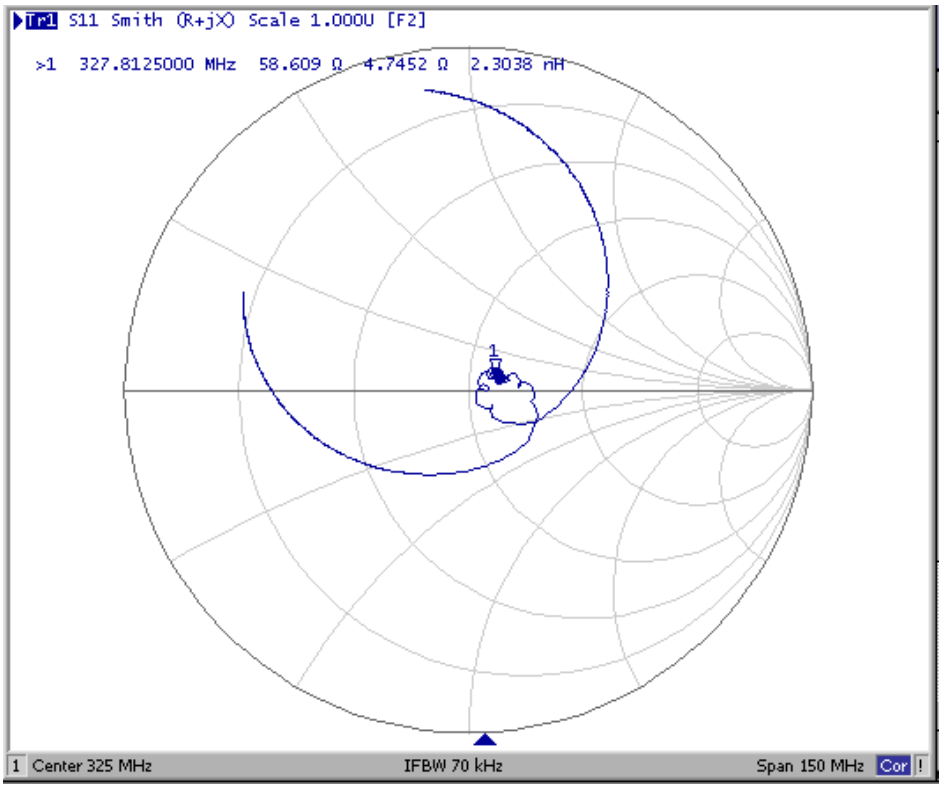
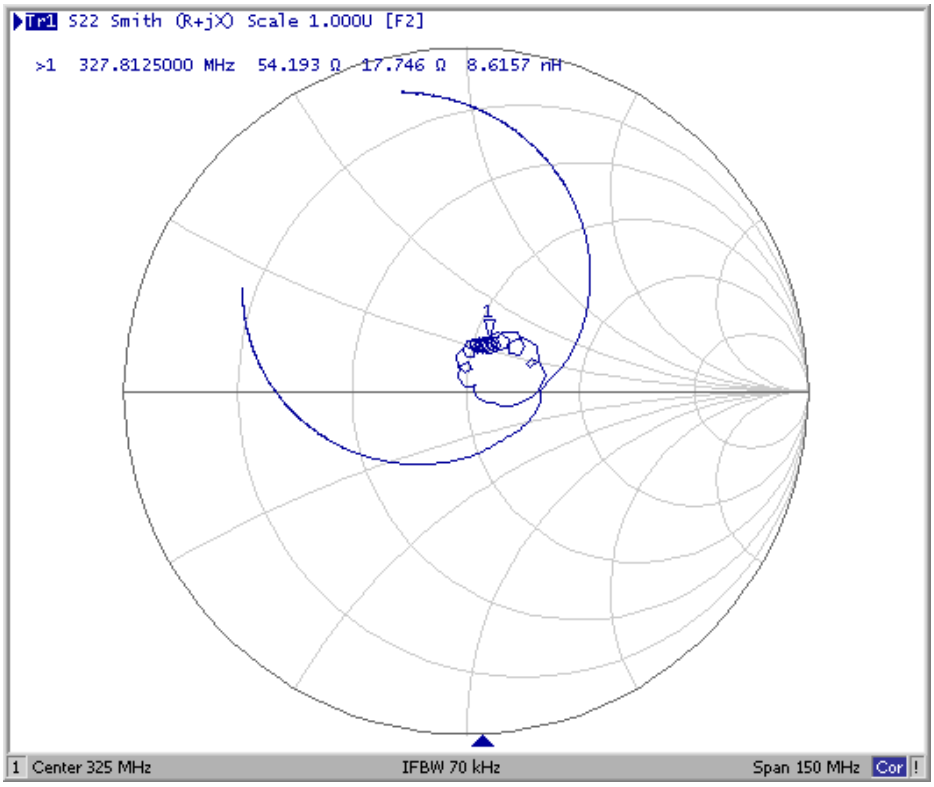
3. S11 Smith-Chart: (span 150MHz)



4. S22 Smith-Chart: (span 150MHz)



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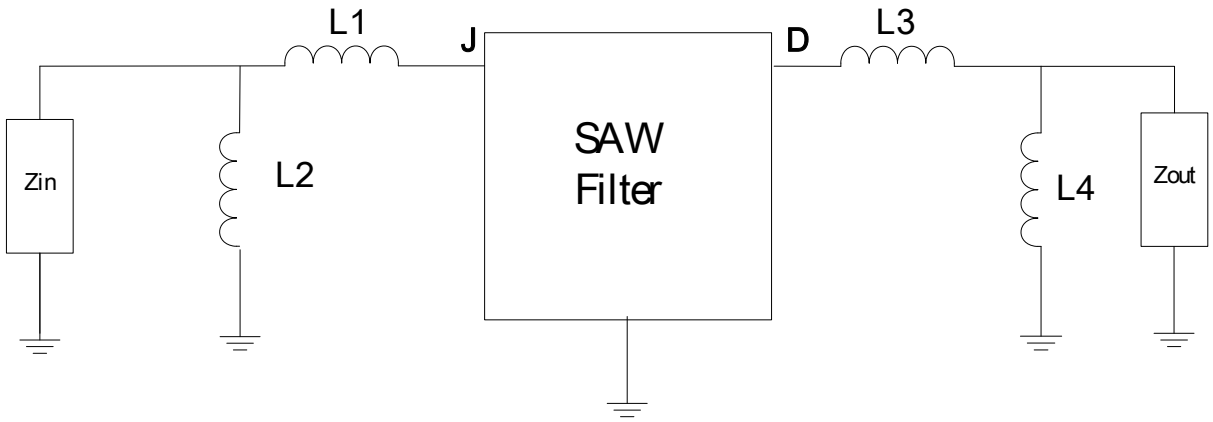
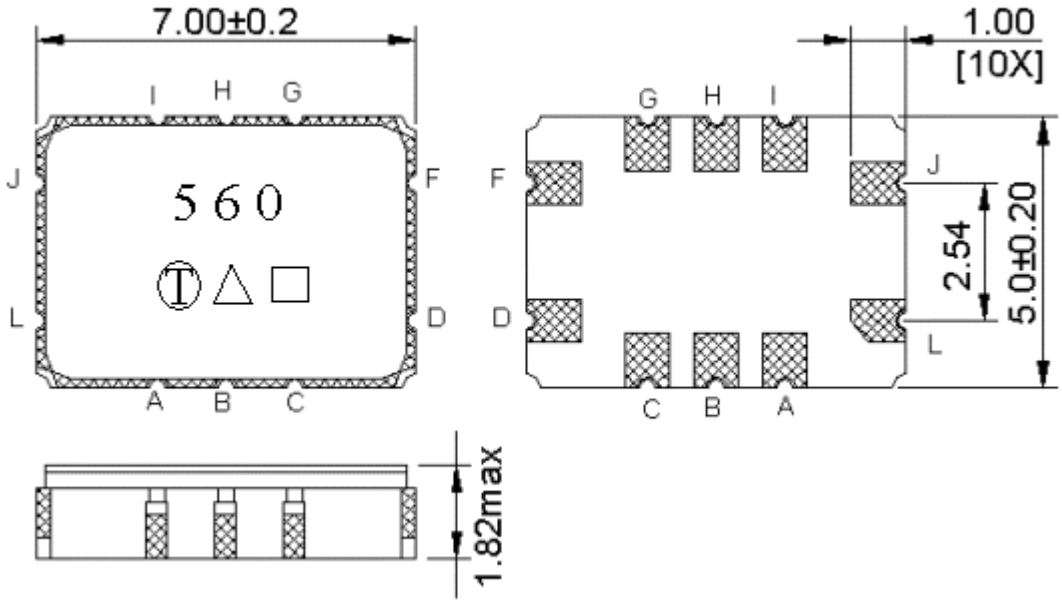
D. TEST CIRCUIT:



Zin = Zout =50 ohm

L1=10nH, L2=12nH, L3=10nH, L4=15nH

E. OUTLINE DRAWING:



Pin J: RF input

Pin D: RF output

Pin K, L, A, B, C, E, F, I, H, G: Ground

Unit: mm

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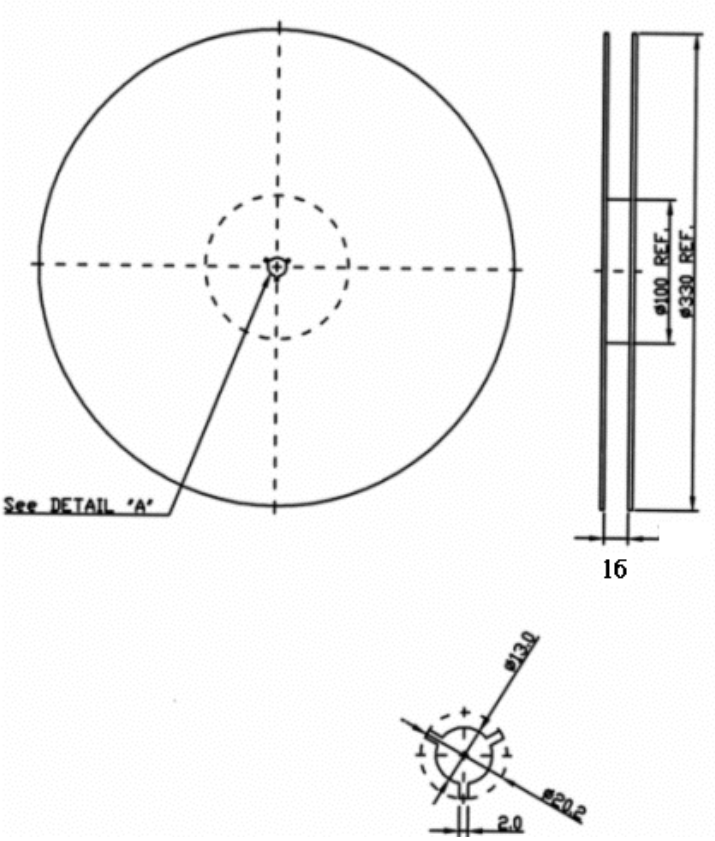
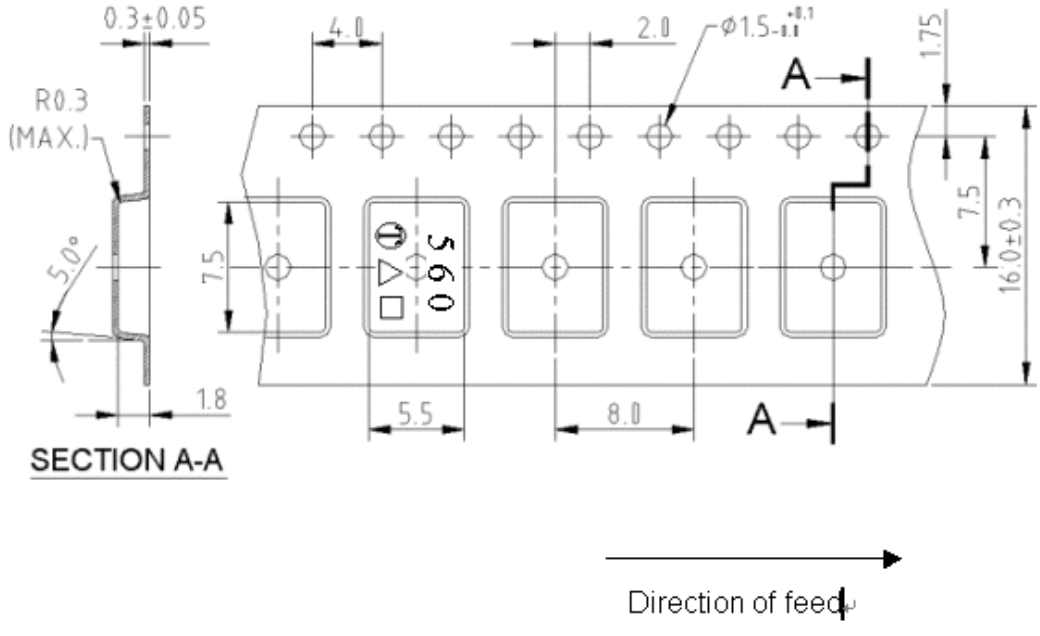
F. PACKING:

1. REEL DIMENSION

(Reel Count: 7”=1000 typ.; 13”=2000 typ.)



2. TAPE DIMENSION



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G. RECOMMENDED REFLOW PROFILE: