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

SAW Filter 350MHz **Model: TB0610A**

Part No: **MP01907** REV. NO.:1

A. MAXIMUM RATING:

1. Operating Temperature: -25°C to +70°C
2. Storage Temperature: -40°C to +85°C
3. Maximum Input Power : 10dBm

B. ELECTRICAL CHARACTERISTICS:

1. Ambient Temperature: 25 °C

Item		Min.	Typical	Max.
Center frequency Fc	MHz	-	350	-
Insertion loss at Fc	dB	-	11.8	13.0
Bandwidth at –1.0dB	MHz	69.0	74.0	-
Bandwidth at –3.0dB	MHz	71.0	78.0	
Amplitude Ripple (Fc ± 34.5 MHz)	dB	-	0.8	1.0
Group Delay Ripple (Fc ± 34.5 MHz)	nS	-	30	100
Absolute Group delay at Fc	nS	-	320	-
Attenuation (Reference level from minimum Insertion loss)				
130MHz ~ 240MHz 460MHz ~ 605MHz	dB dB	45 42	60 48	- -
Temp Coefficient	ppm/°C	-	-93	-

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C. FREQUENCY CHARACTERISTICS:

1. S21 Response

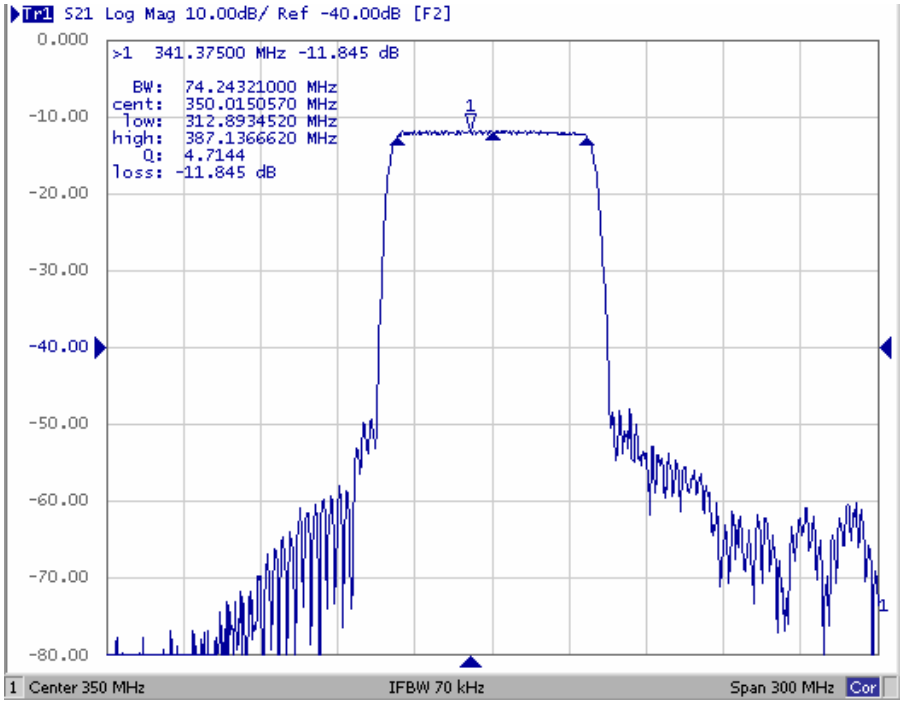

Fig1. Horizontal: 30MHz/Div Vertical: 10dB/Div

2. Passband Ripple

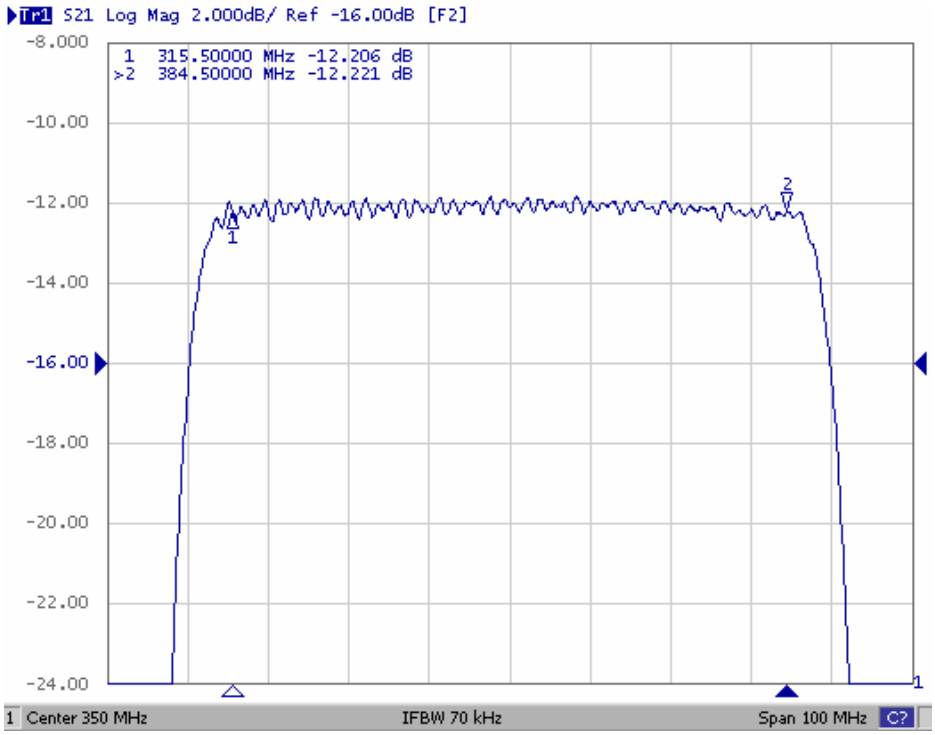

Fig2. Horizontal: 10MHz/Div Vertical: 2dB/Div

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3. Group Delay Ripple

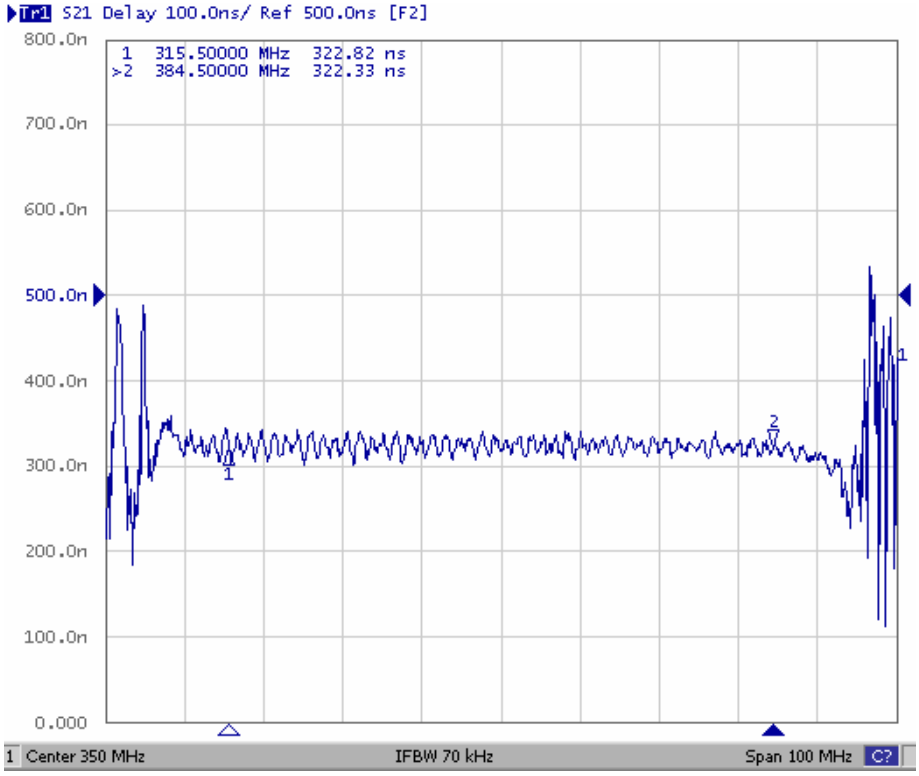

Fig3. Horizontal: 10MHz/Div Vertical: 100nS/Div

4. Wide Band Response

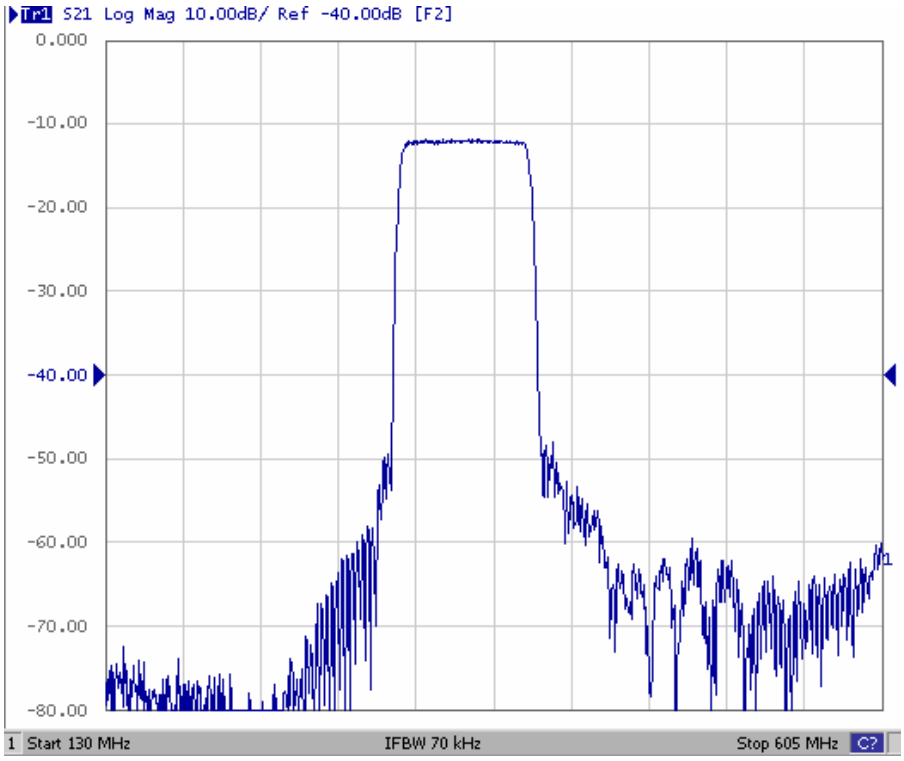

Fig4. Horizontal: 130~605MHz Vertical: 10dB/Div

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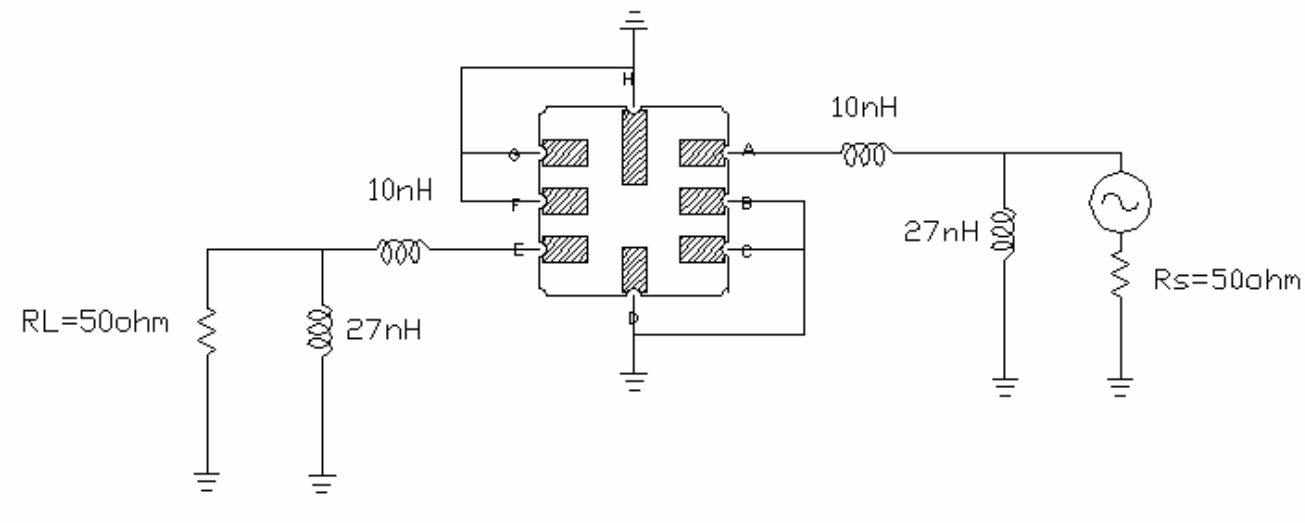
D. MEASUREMENT CIRCUIT:

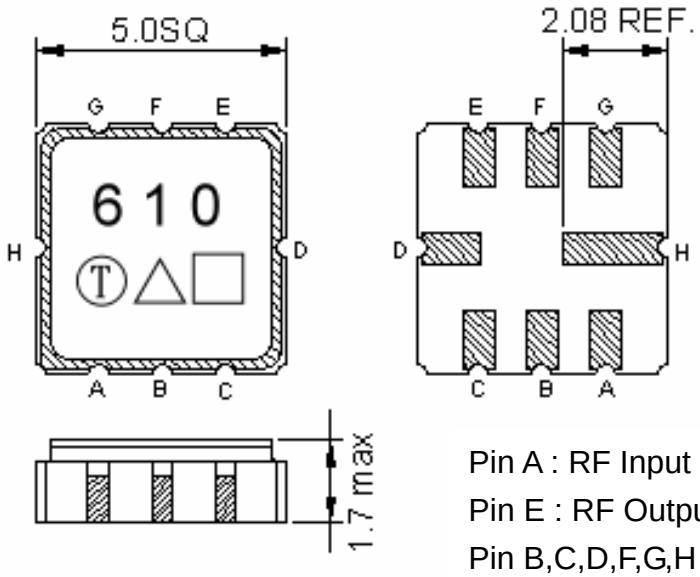
1. Single ended input 50 ohm to Single ended Output 50 ohm

:



Note: The matching structure will change according to different test fixture.

E. OUTLINE DRAWING:



Pin A : RF Input
Pin E : RF Output
Pin B,C,D,F,G,H : Ground
Unit: mm

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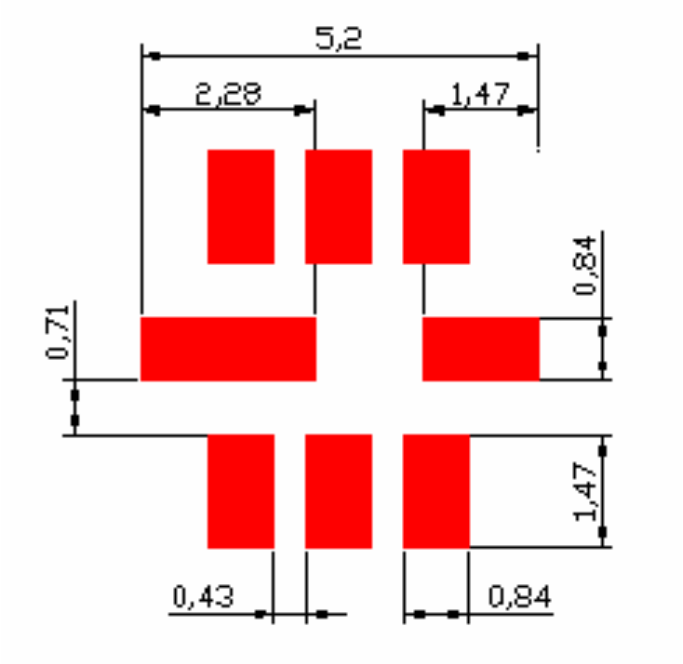
F. PCB FOOTPRINT:



Unit: mm

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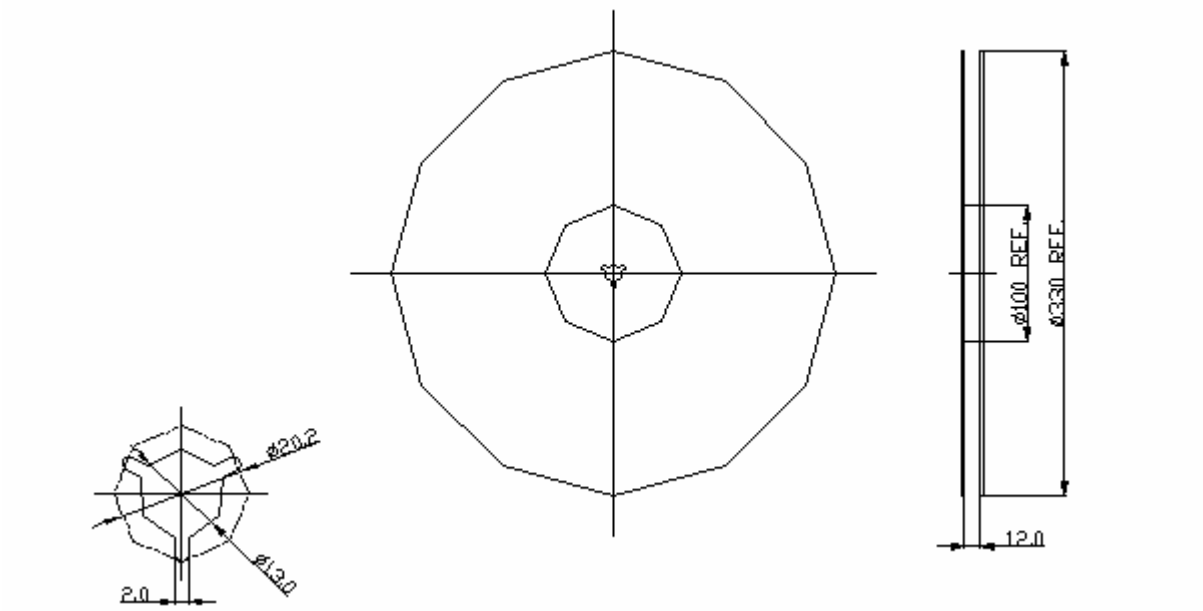
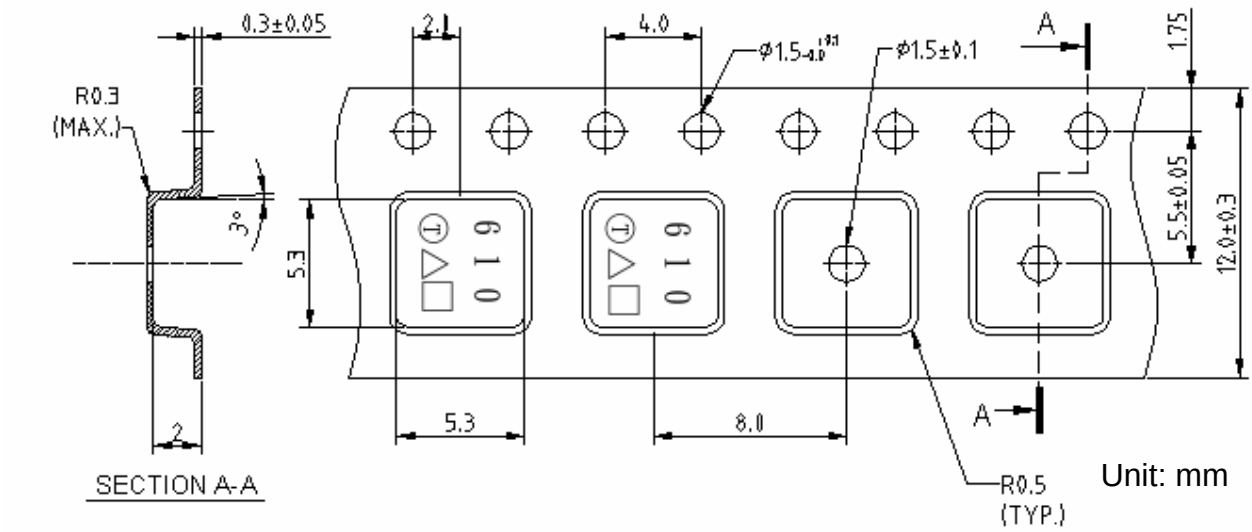
G. PACKING:

1. REEL DIMENSION



Unit: mm

2. TAPE DIMENSION



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H. RECOMMENDED REFLOW PROFILE: