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

SAW Filter 773.0MHz — Model: TA1897A
Part No: MP07857 — Rev No: 1

A. MAXIMUM RATING:

Electrostatic **S**ensitive **D**evice (**ESD**)

1. Maximum Input Power: 15dBm
2. Operating Temperature: -30°C to +85°C
3. Storage Temperature Range: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

1. Terminating source impedance: Z_S = 50Ω
2. Terminating load impedance: Z_L = 50Ω

Parameters Description		Unit	Min.	Typ.	Max.
Center Frequency		MHz	-	773	-
Insertion Loss	758 ~ 788MHz	dB	-	2.1	3.0
Amplitude ripple	758 ~ 788MHz	dB p-p	-	1.1	2.3
VSWR (Input)	758 ~ 788MHz	-	-	2.2	2.5
VSWR (Output)	758 ~ 788MHz	-	-	2.2	2.5
Attenuation:					
703 ~ 733 MHz		dB	46	52	-
733 ~ 748 MHz		dB	46	53	-
1516 ~ 1576 MHz		dB	40	49	-
1559 ~ 1606 MHz		dB	40	48	-
2274 ~ 2364 MHz		dB	35	43	-
2400 ~ 2500 MHz		dB	35	43	-
3032 ~ 3152 MHz		dB	30	40	-
3790 ~ 3940 MHz		dB	30	39	-
4548 ~ 4728 MHz		dB	30	38	-
4900 ~ 5950 MHz		dB	30	37	-
5306 ~ 5516 MHz		dB	30	38	-
6064 ~ 6304 MHz		dB	30	39	-
6822 ~ 7092 MHz		dB	30	42	-
7580 ~ 7880 MHz		dB	25	49	-

Notes: No Matching Network.

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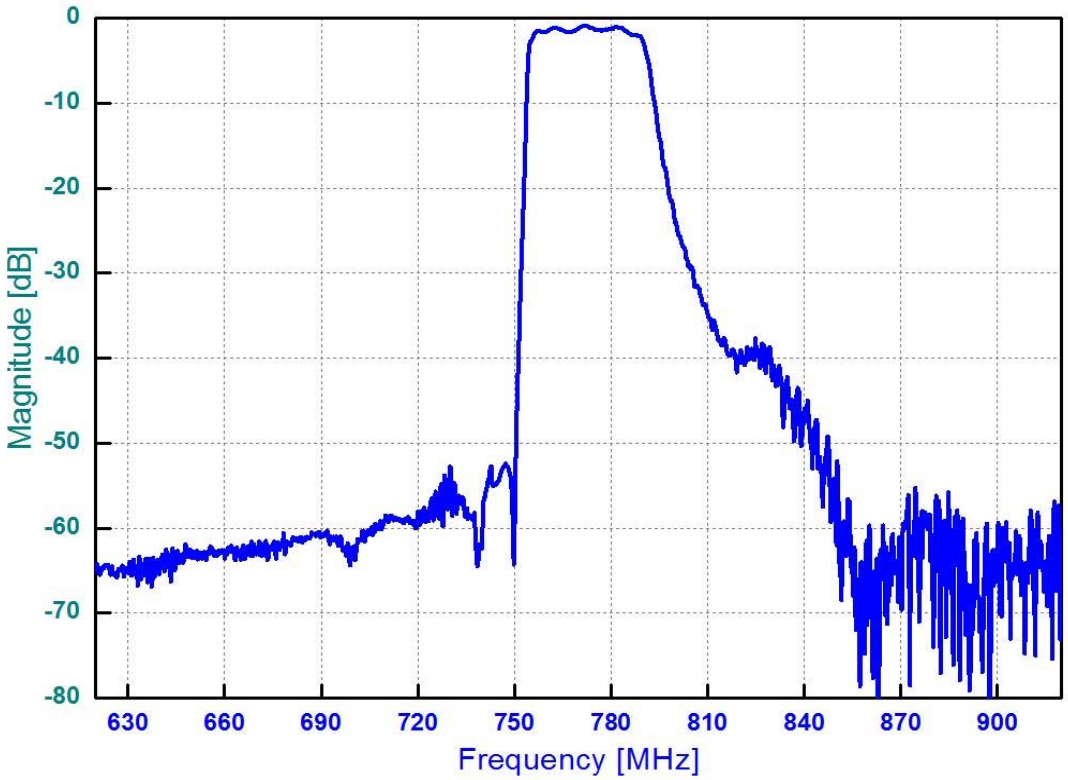
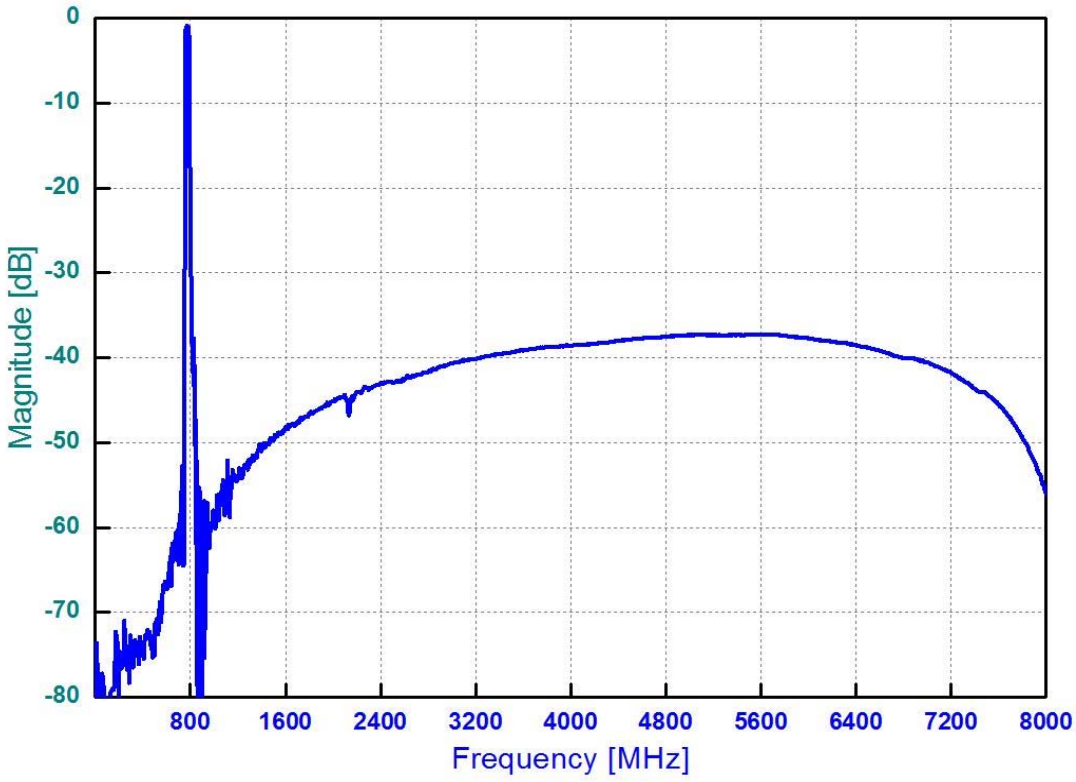
C. FREQUENCY CHARACTERISTICS:

1. Frequency Response





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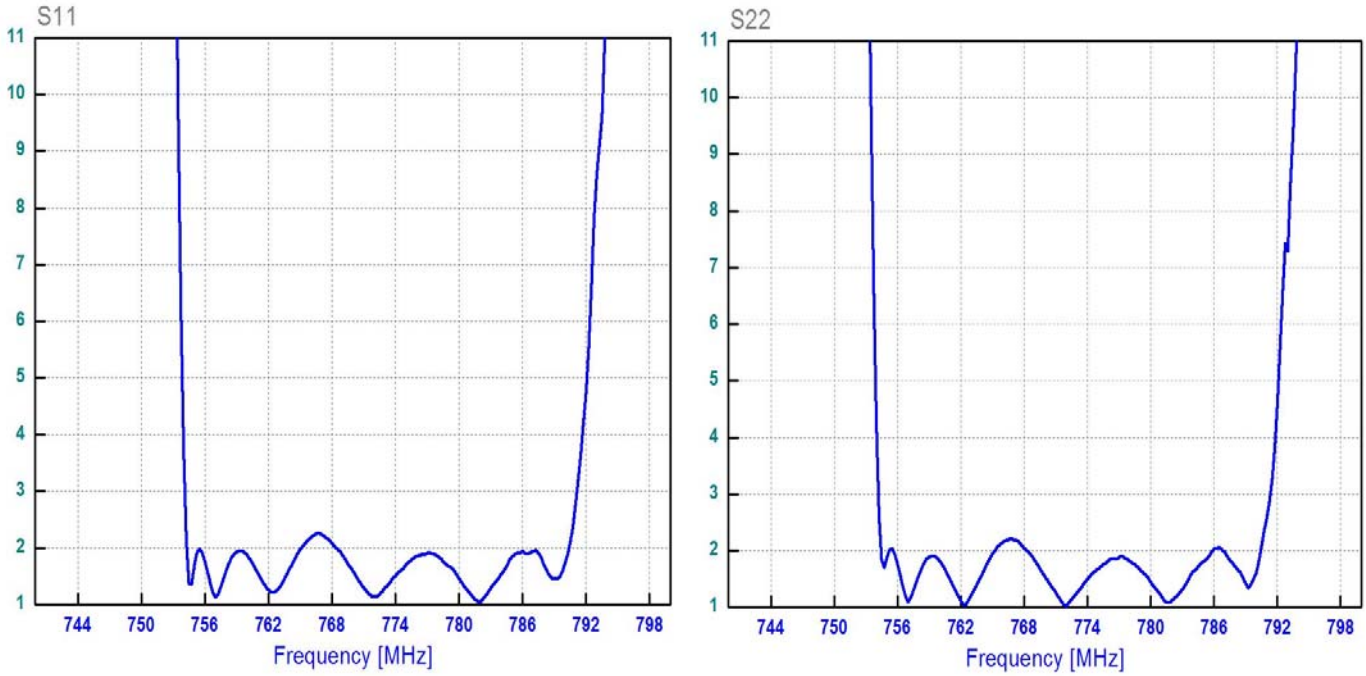
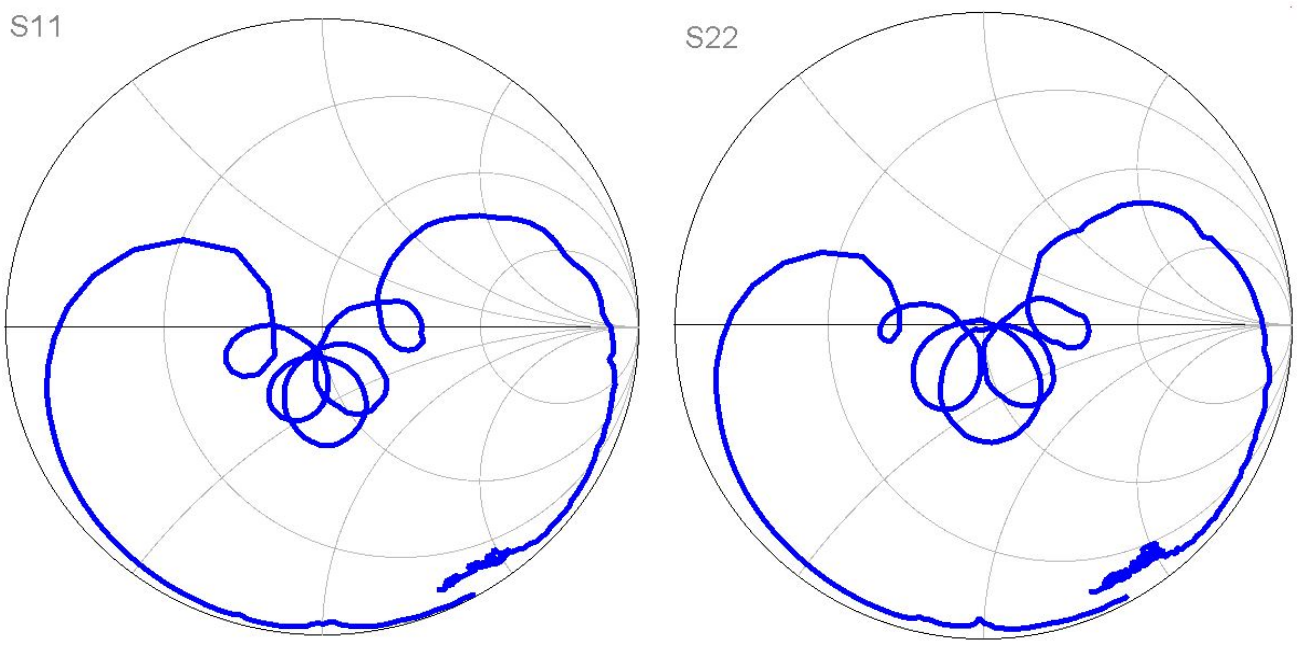
2. VSWR



3. Smith Chart



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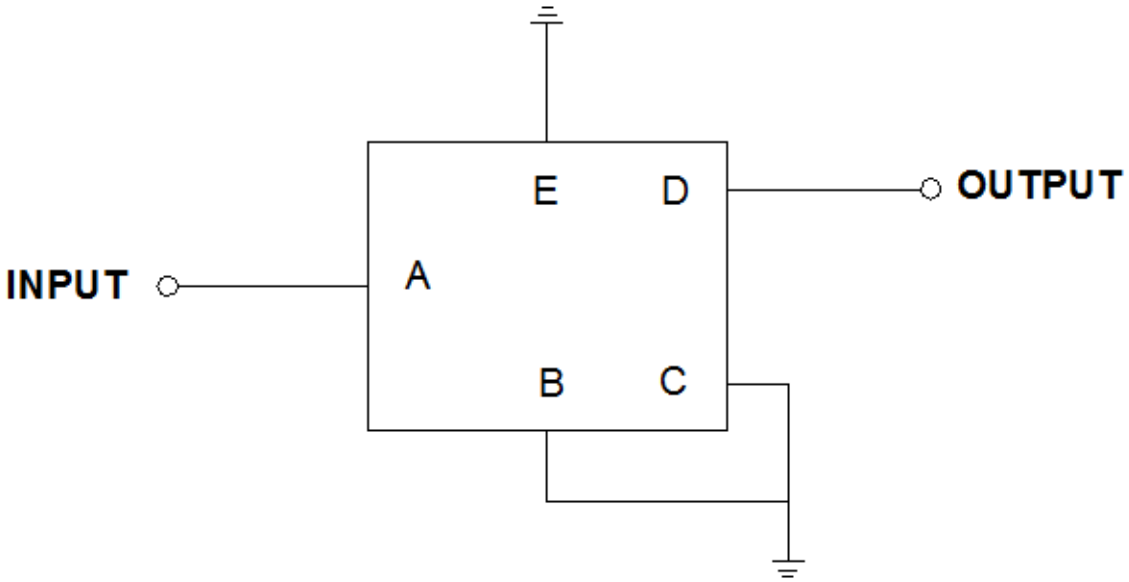
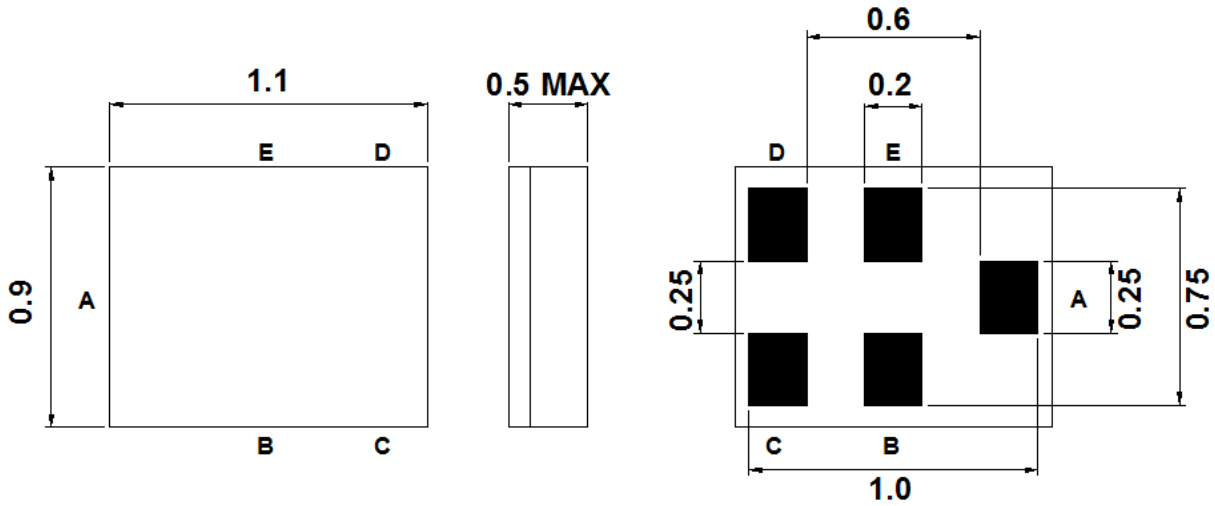
D. MEASUREMENT CIRCUIT:



Source & Load Impedance: 50Ω

E. OUTLINE DRAWING:



B, C, E: Ground

A: Input

D: Output

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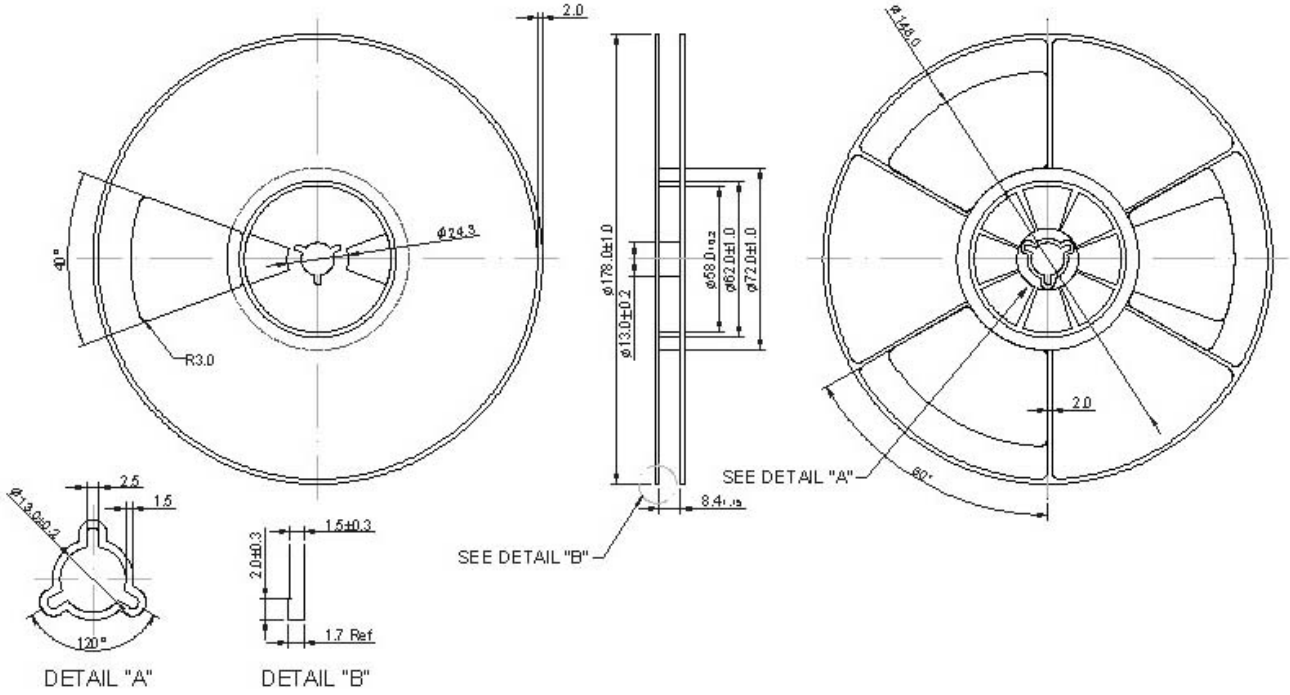
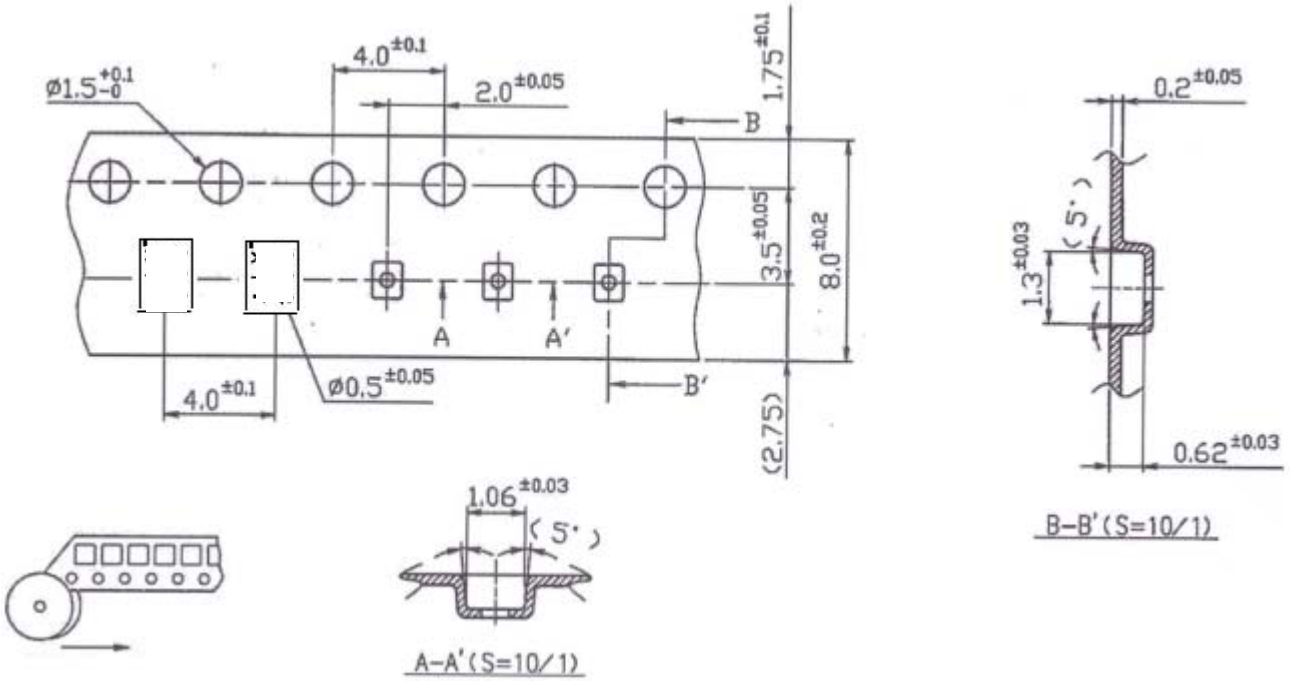
F. PACKING:

1. Reel Dimension



2. Tape Dimension



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G. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 260°C +0/-5°C peak (20 ~ 40 sec).
4. Time: 2 times.