

SAW Filter 793.0MHz
Part No: MP03717

Model: TA1244A
Rev No: 3

A. MAXIMUM RATING:

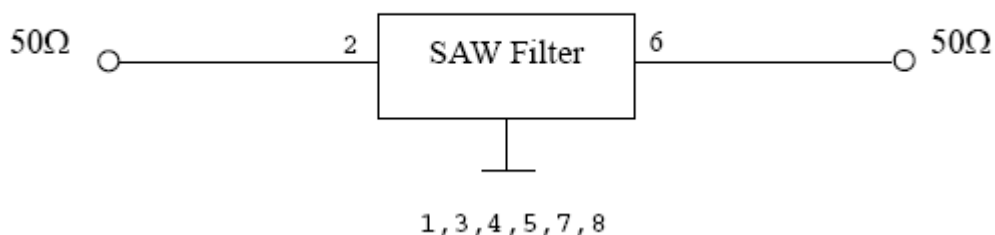
1. Input Power Level: +25dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	793	-
Insertion loss (788 ~ 798MHz) IL	dB	-	1.6	2.5
Amplitude Ripple (788 ~ 798MHz)	dB	-	0.7	1.5
Return Loss (788 ~ 798MHz)	dB	10	14	-
Group Delay at Fc	ns	-	38	60
Group Delay Variation (788 ~ 798MHz)	ns	-	26	60
Attenuation (Reference level from 0dB)				
0 ~ 700MHz	dB	30	40	-
758 ~ 768MHz	dB	45	54	-
848 ~ 890MHz	dB	35	43	-
1000 ~ 2000MHz	dB	25	41	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

C. MEASUREMENT CIRCUIT:

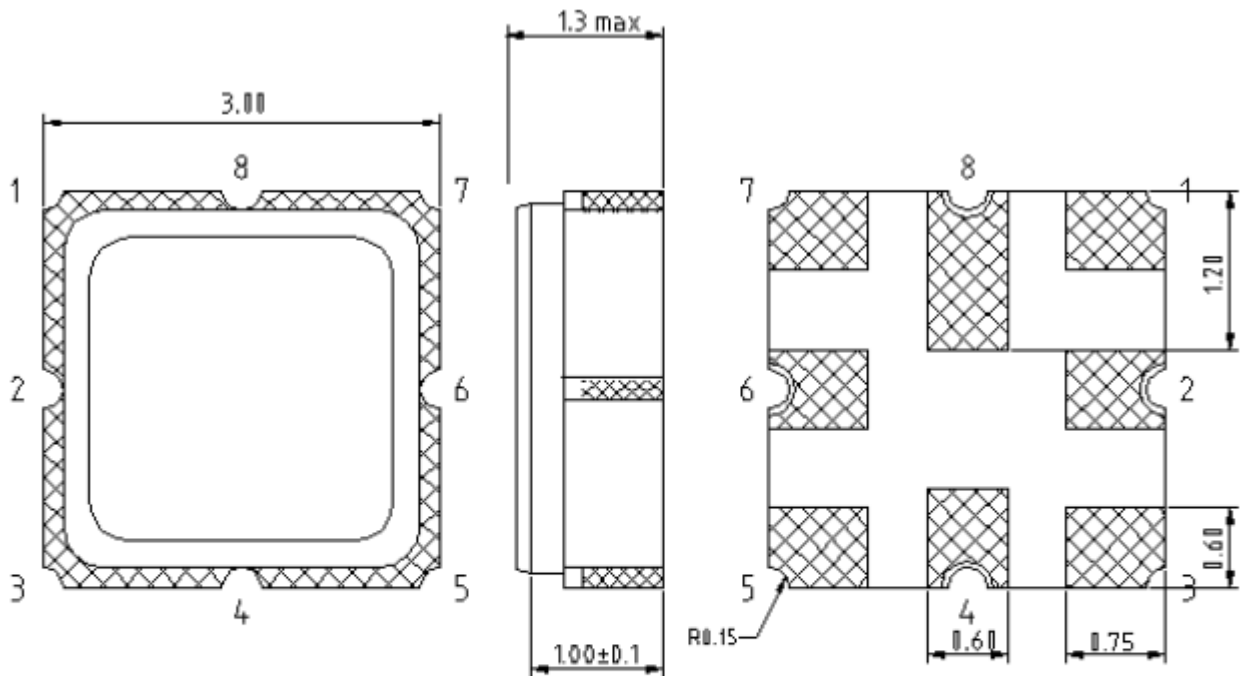
HP Network analyzer



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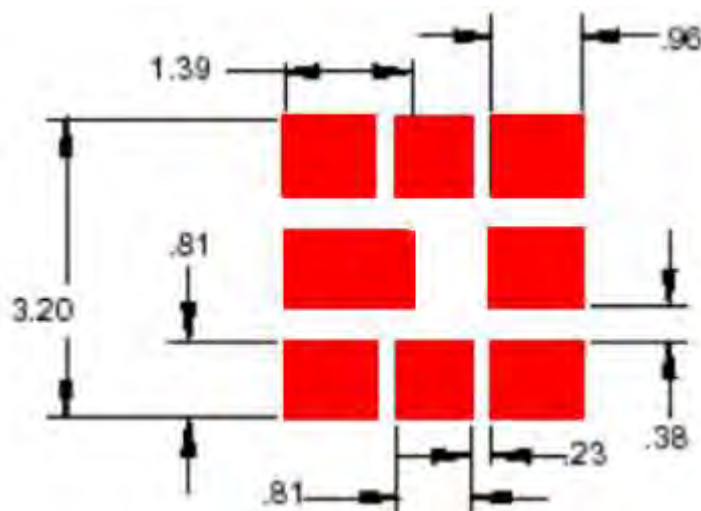
D. OUTLINE DRAWING:



2: Input
 6: Output
 1,3,4,5,7,8: Ground

Unit: mm

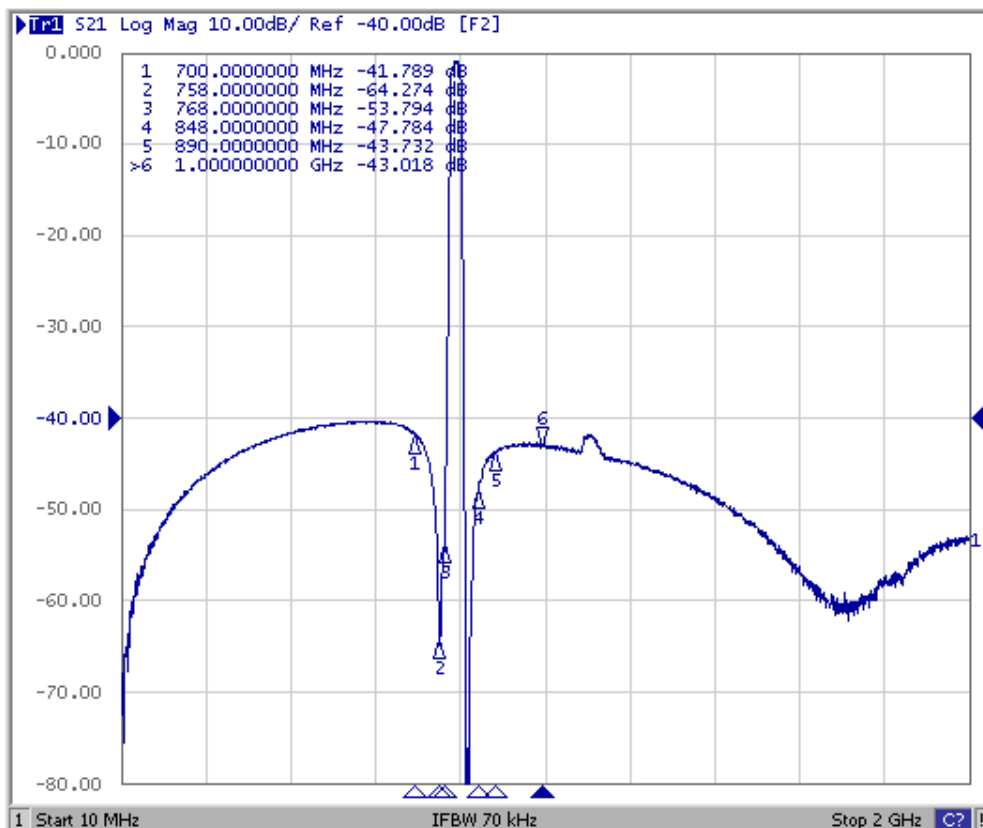
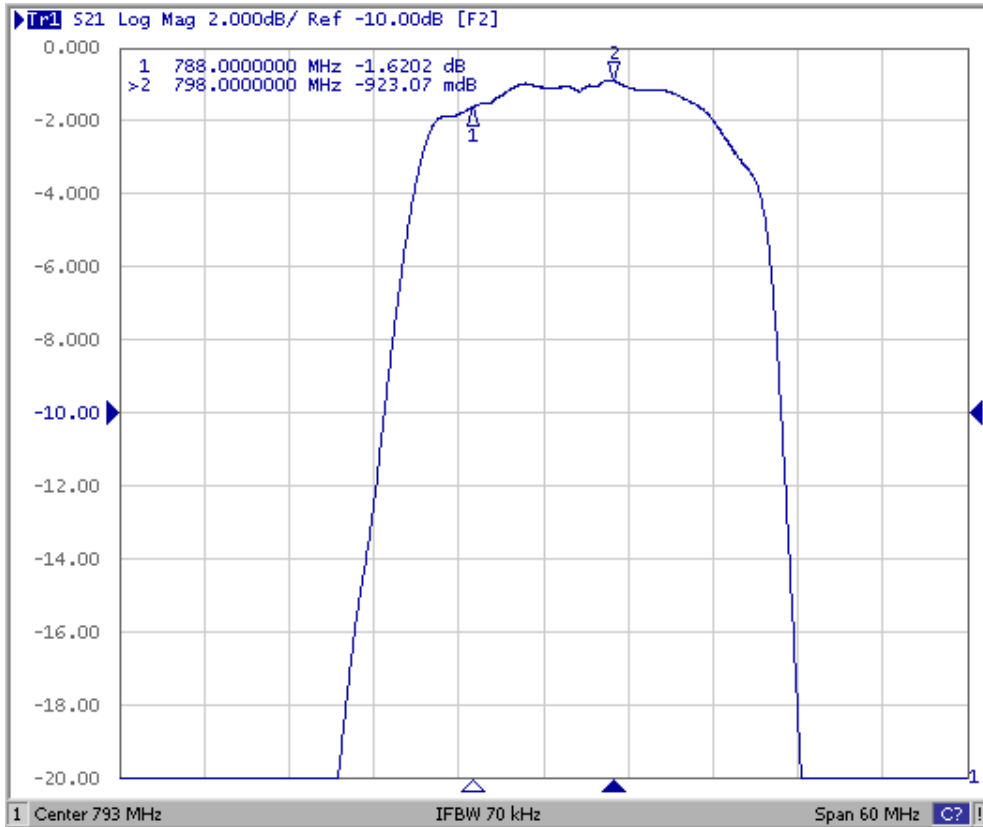
E. PCB FOOTPRINT:



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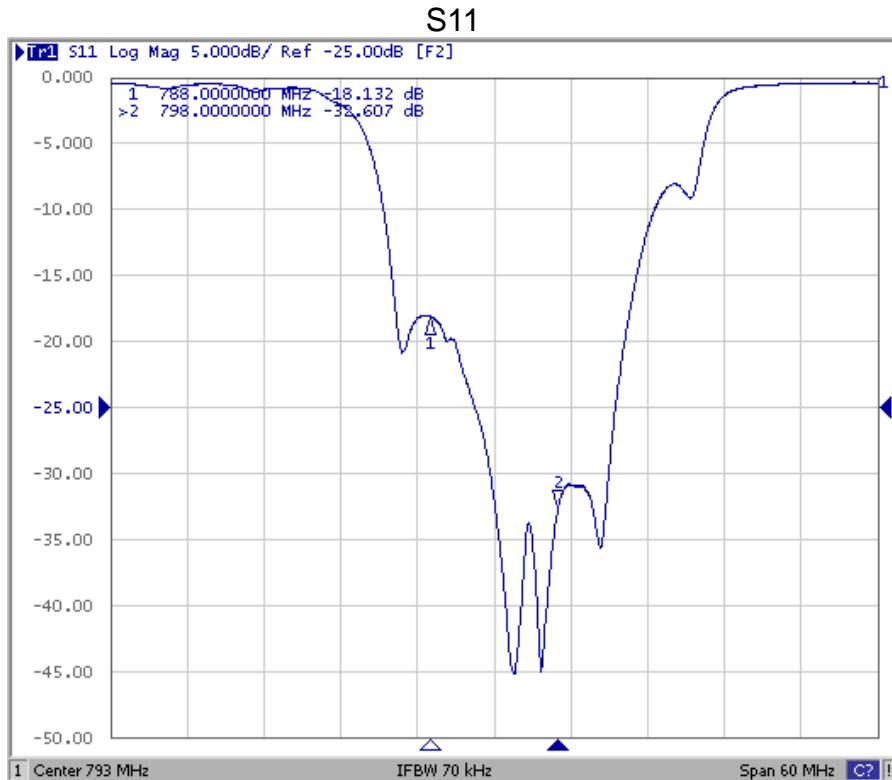
F. FREQUENCY CHARACTERISTICS: (typical performance at 25°C)



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Reflection Functions: (typical performance at 25°C)



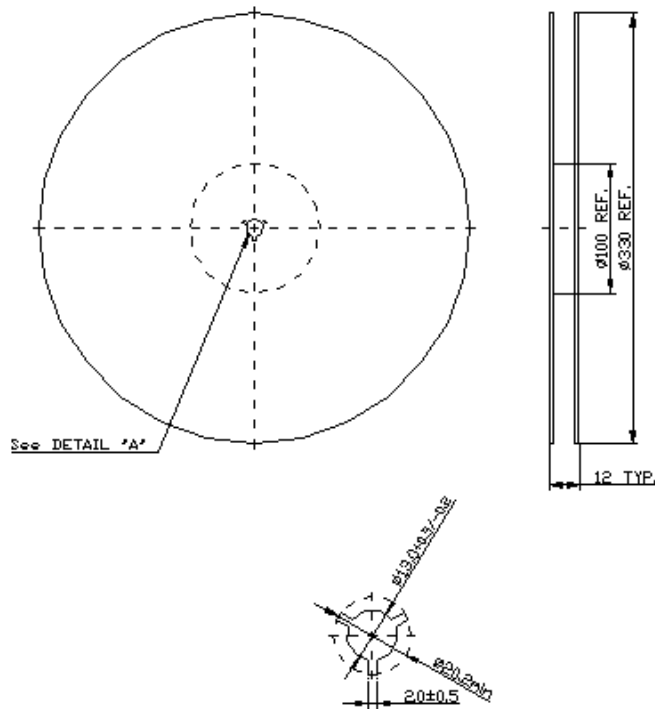
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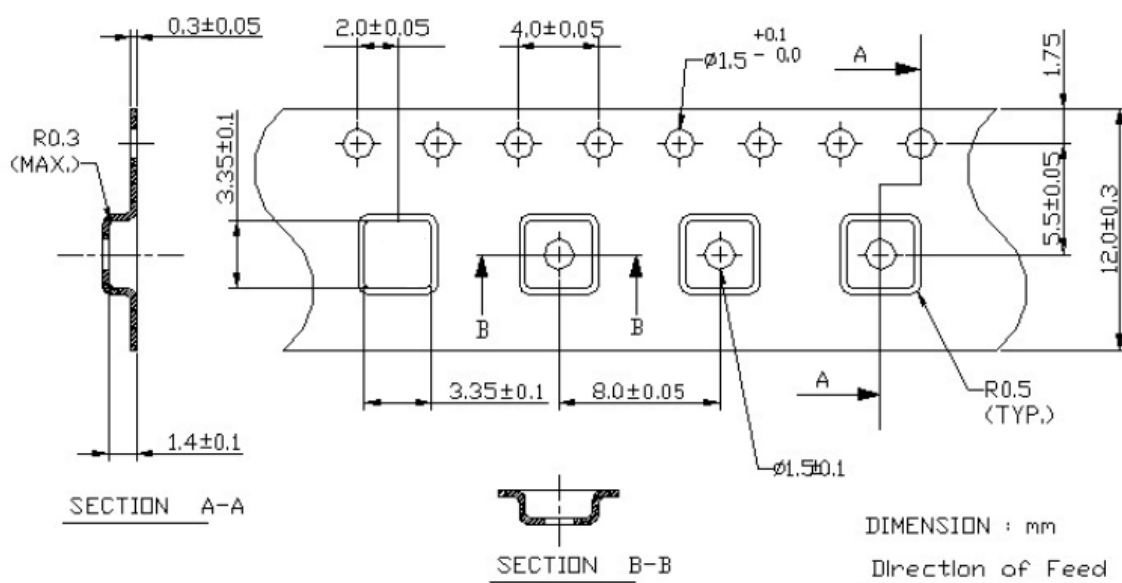
G. PACKING:

1. REEL DIMENSION

(Reel Count: 7" = 1000; 13" = 3000)



2. TAPE DIMENSION



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H. 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 250 ± 10°C peak (max. 10sec).
4. Time: 2 times.

