

SAW Filter: 869.0MHz

Model: TA1018A

Part No: MP03629

Rev No: 2

A. MAXIMUM RATING:

Electronic Sensitive Device (ESD)

1. Input Power Level: 15dBm
2. DC voltage: 5V
3. Operating Temperature: -10°C to +60°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	869	-
Insertion Loss 868 ~ 870MHz IL	dB	-	2.4	3.0
Amplitude ripple 868 ~ 870MHz	dB	-	0.9	1.0
VSWR 868 ~ 870MHz	-	-	1.7	2.2
Attenuation: (Reference level from 0dB)				
0.3 ~ 846.4MHz	dB	40	48	-
846.4 ~ 853.5MHz	dB	20	28	-
884 ~ 898MHz	dB	20	25	-
898 ~ 1200MHz	dB	40	50	-
1200 ~ 2000MHz	dB	40	44	-
Source impedance Z _s	Ω	-	50	-
Load impedance Z _L	Ω	-	50	-

Note: No matching network required for operation at 50Ω

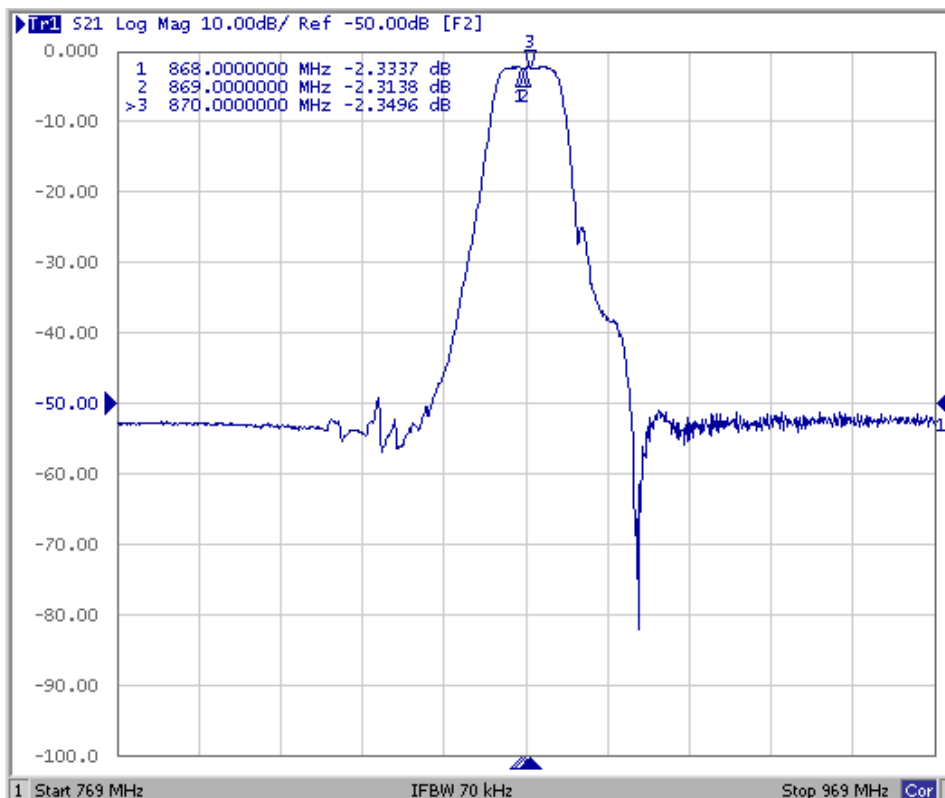
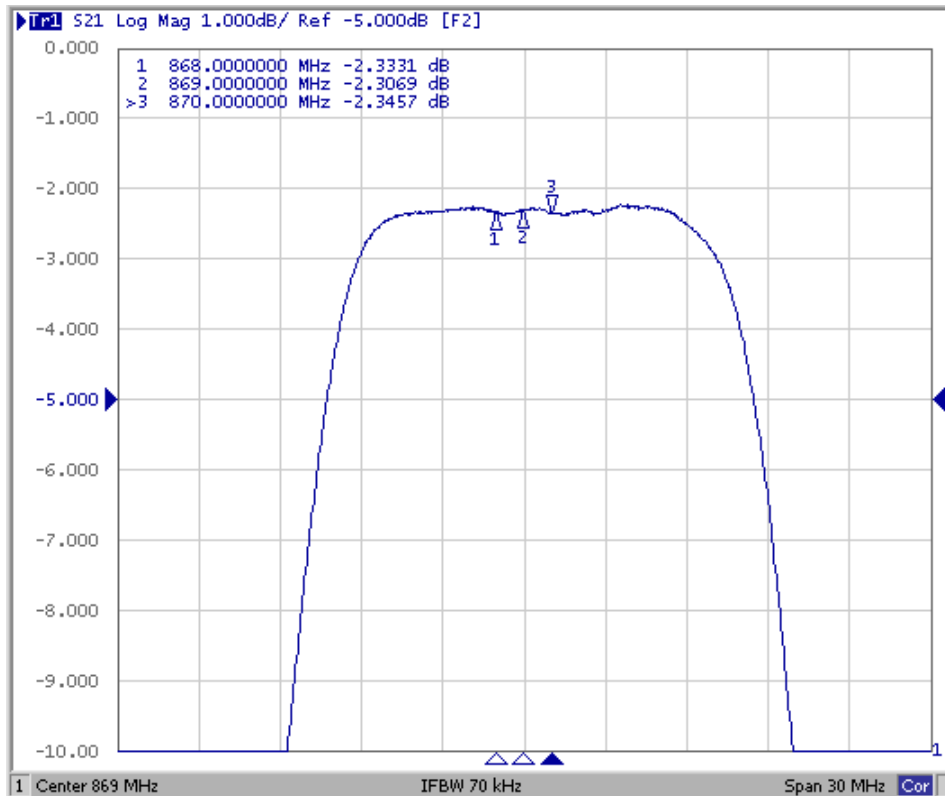
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C. FREQUENCY CHARACTERISTICS:

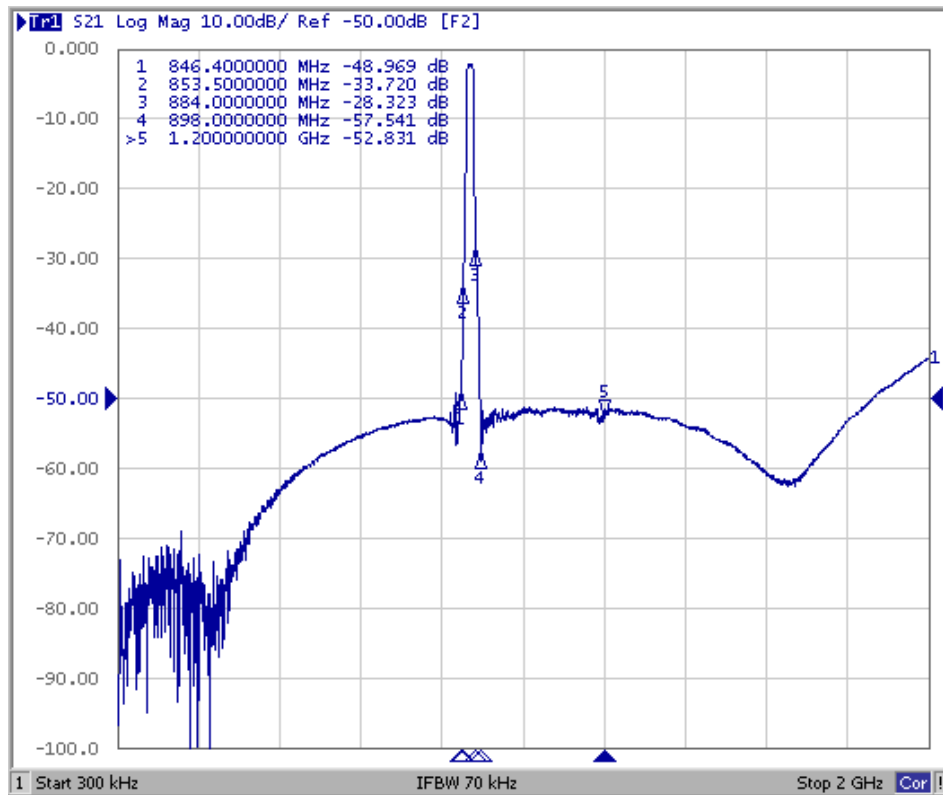


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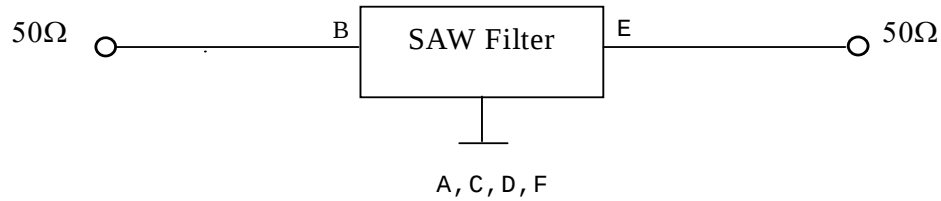
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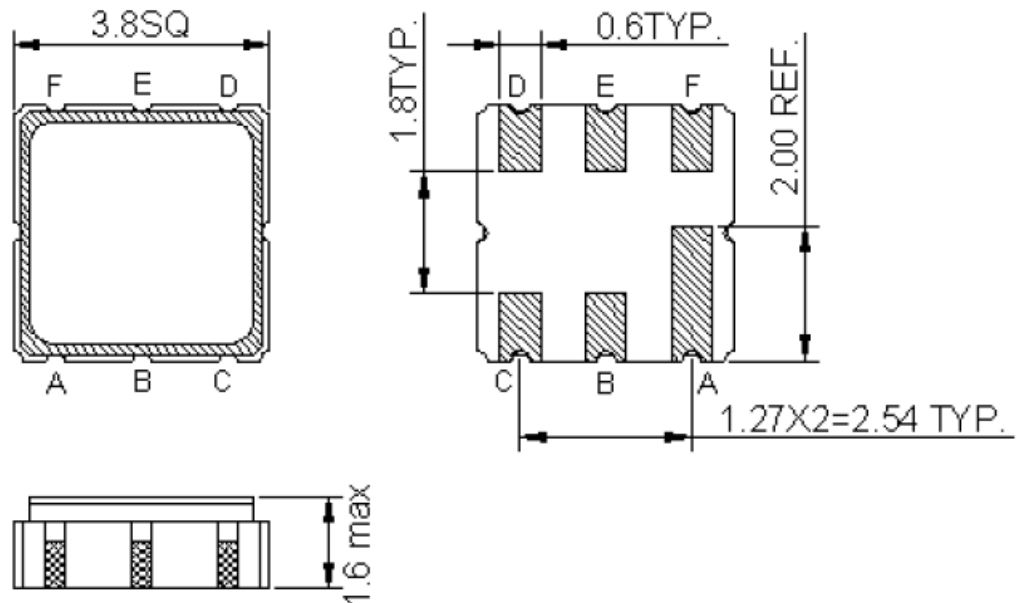
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D. MEASUREMENT CIRCUIT:

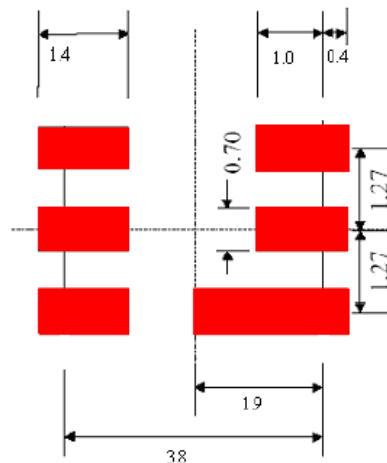
HP Network analyzer

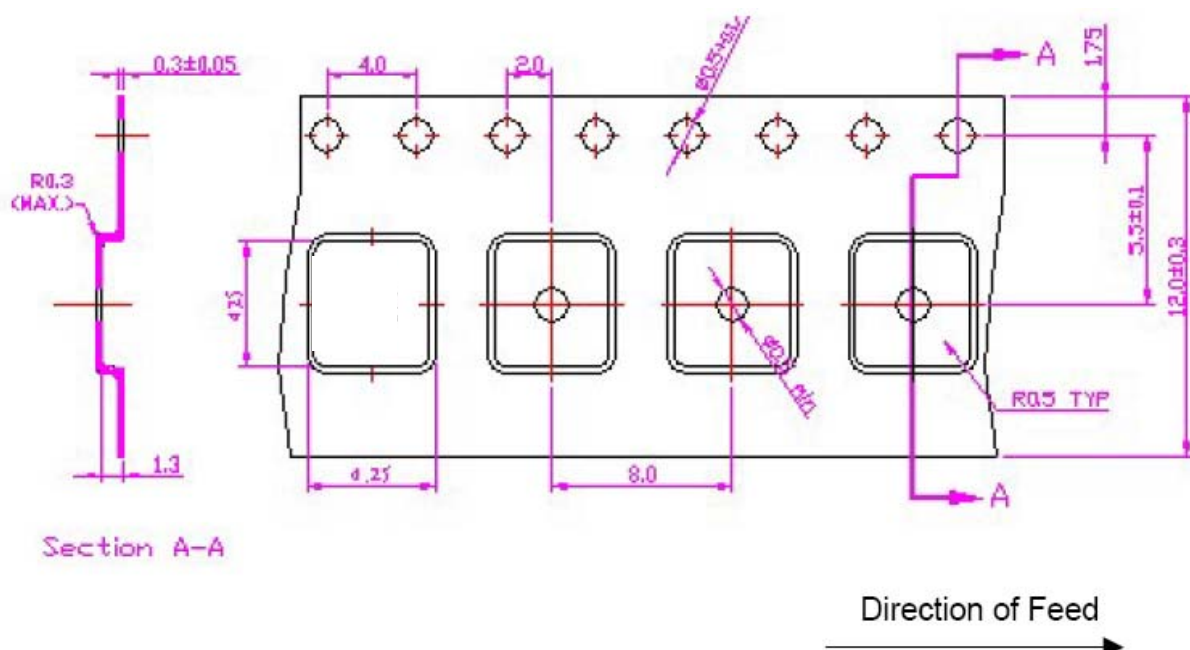


E. OUTLINE DRAWING:



F. PCB FOOTPRINT:





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H. RECOMMENDED REFLOW PROFILE:

