

SAW Filter 915.0MHz
Part No: MP06991

Model: TA1561A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 15dBm
2. DC Voltage: 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +125°C

B. ELECTRICAL CHARACTERISTICS:

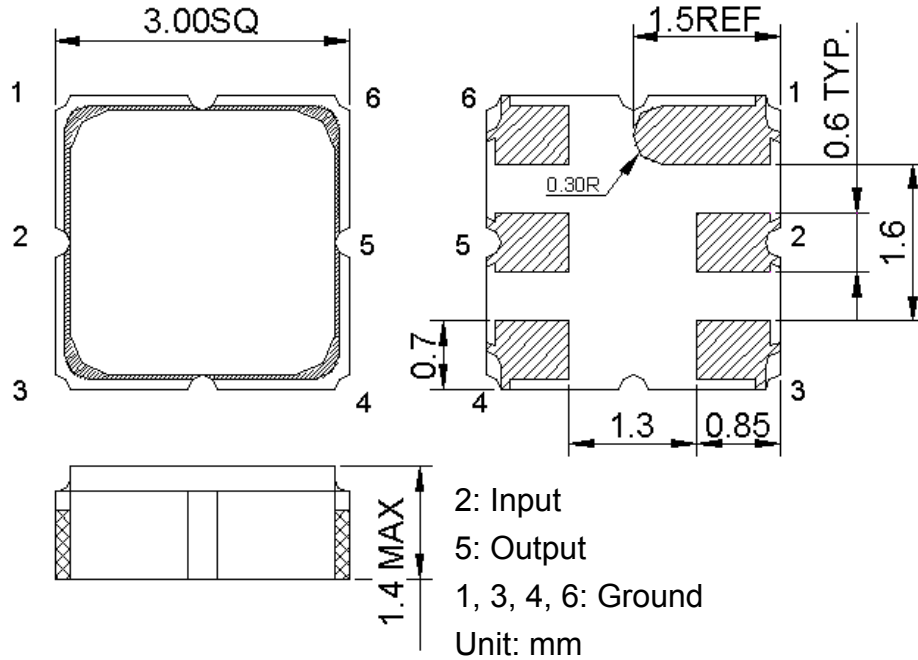
1. Terminating source impedance (single ended): $Z_S = 50\Omega$
2. Terminating load impedance (single ended): $Z_L = 50\Omega$

Item	Unit	Min.	Typ.	Max.	Note
Center frequency F_c	MHz	-	915	-	-
Insertion Loss (902 ~ 928MHz) IL	dB	-	1.9	4	-
Amplitude Ripple (902 ~ 928MHz)	dB	-	1	3.2	-
VSWR (902 ~ 928MHz)		-	1.8	2.2	-
Attenuation (reference level from 0dB)					
10 ~ 800MHz	dB	35	37	-	-
800 ~ 888MHz	dB	36	38	-	-
888 ~ 890MHz	dB	24	31	-	-
890 ~ 894MHz	dB	5	18	-	-
940 ~ 941MHz	dB	27	47	-	-
941 ~ 967MHz	dB	35	49	-	-
967 ~ 1350MHz	dB	37	39	-	-
1350 ~ 1600MHz	dB	35	42	-	-
1600 ~ 2000MHz	dB	30	45	-	-
2000 ~ 2500MHz	dB	28	35	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

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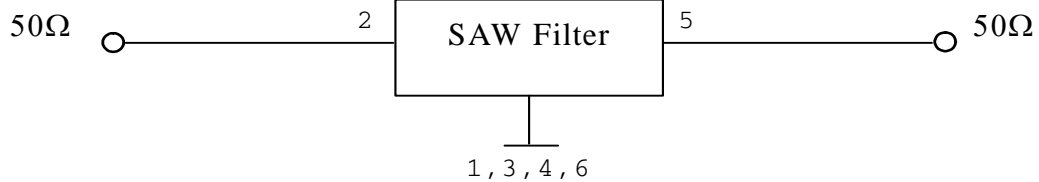
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Rev No: 1

C. OUTLINE DRAWING:

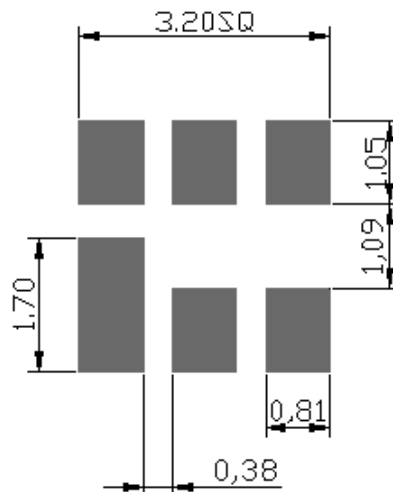


D. MEASUREMENT CIRCUIT:

HP Network analyzer



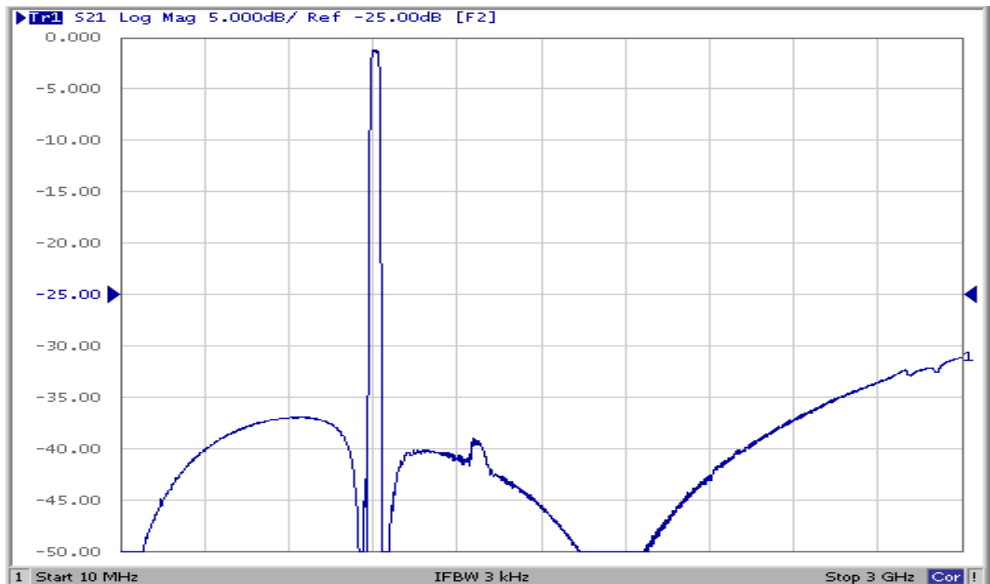
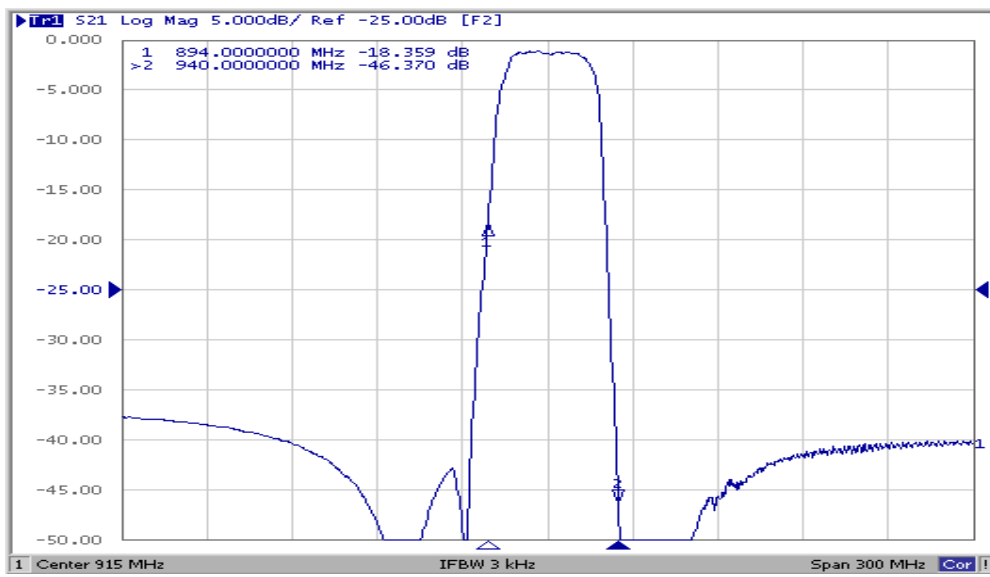
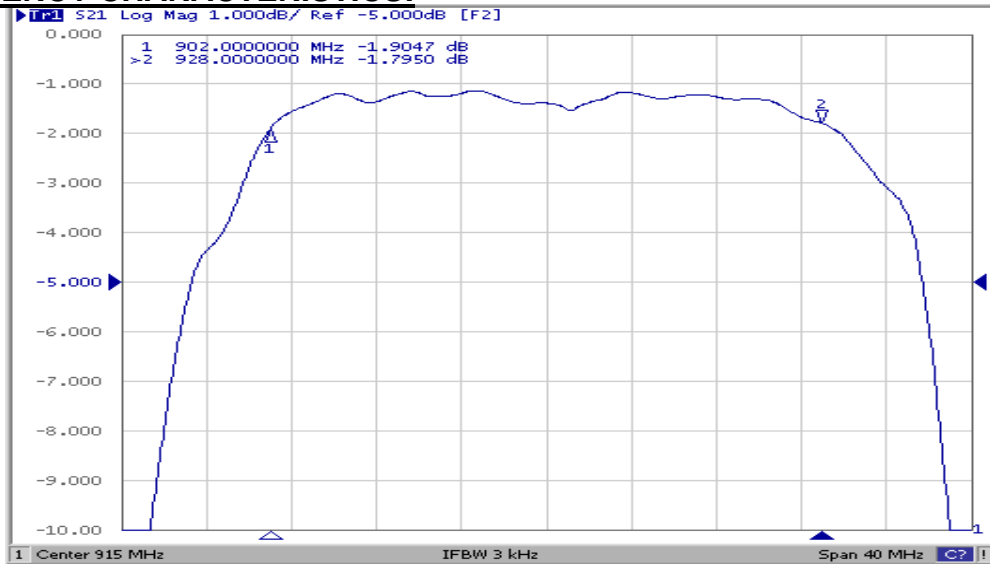
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

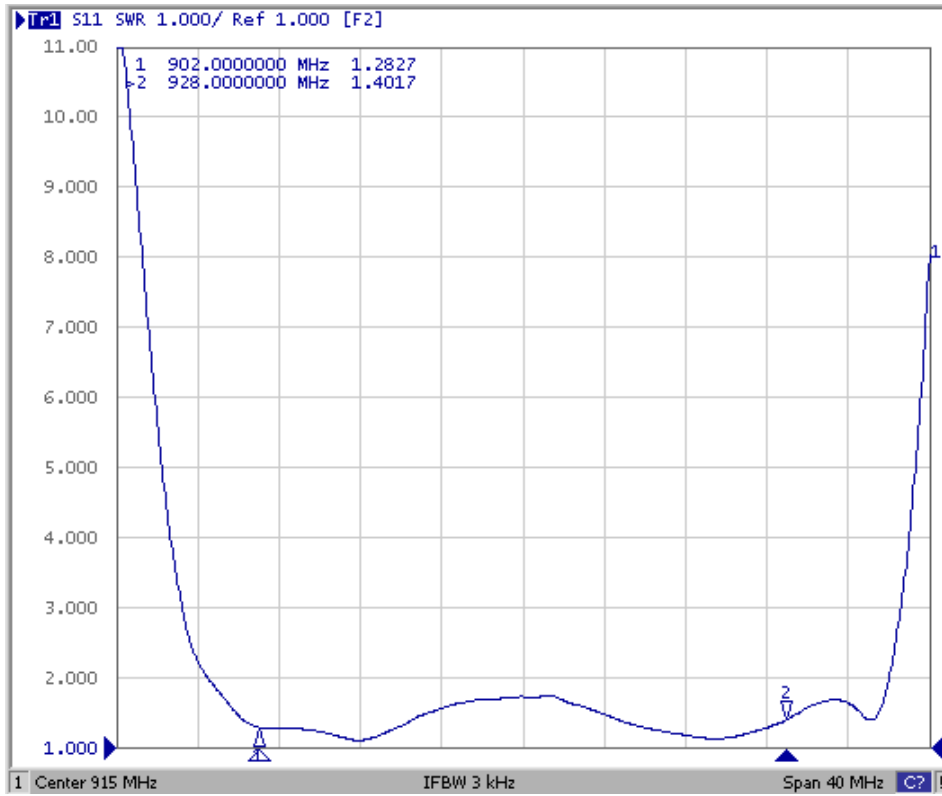


SAW Filter 915.0MHz
Part No: MP06991

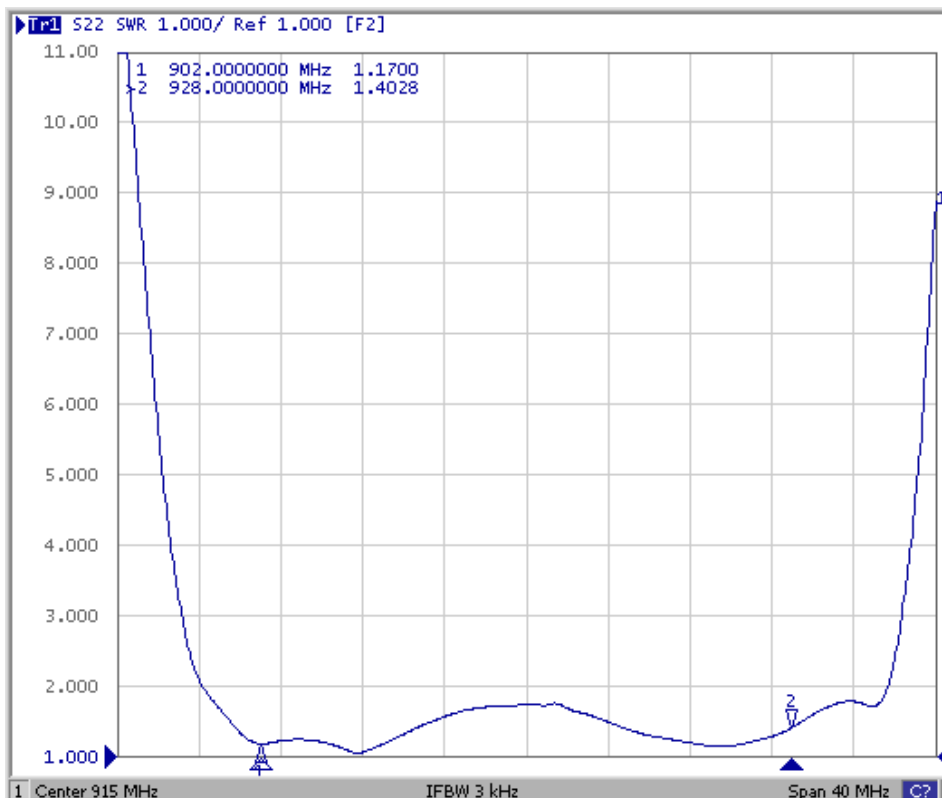
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Reflection Functions

S11



S22



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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 245 ~ 260°C peak (min. 10 sec).
4. Time: 2 times.

