

SAW Filter 868.0MHz
Part No: MP10173

Model: TA2646A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitive Level (MSL): Level 1

B. ELECTRICAL CHARACTERISTICS:

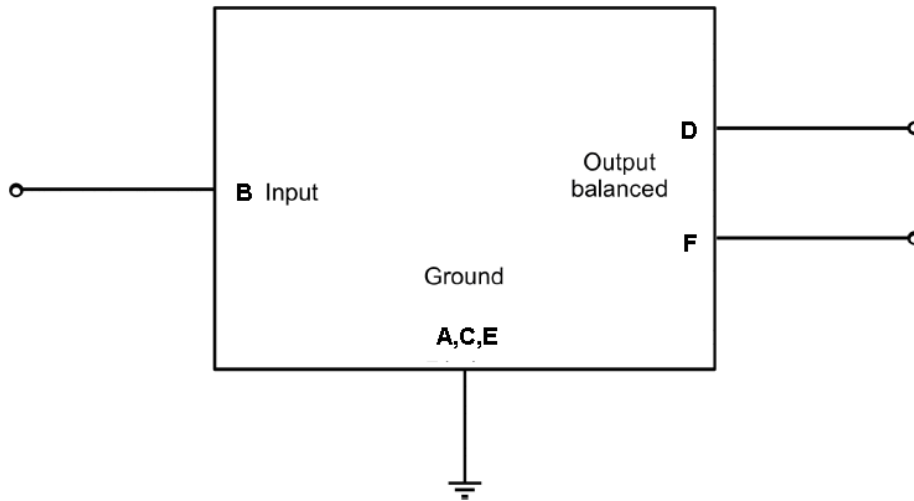
1. Terminating source impedance (single): $Z_s = 50\Omega$
2. Terminating load impedance (balance): $Z_L = 100\Omega$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	868	-	-
Insertion Loss (853 ~ 883MHz) IL	dB	-	2.0	3.0	-
VSWR (853 ~ 883MHz)	dB	-	1.7	2.4	-
Amplitude ripple (853 ~ 883MHz)	dB	-	1.0	2.0	-
Attenuation					
10 ~ 700MHz	dB	35	40	-	-
700 ~ 770MHz	dB	35	40	-	-
770 ~ 810MHz	dB	30	35	-	-
810 ~ 830MHz	dB	20	25	-	-
940 ~ 1020MHz	dB	30	35	-	-
1020 ~ 1850MHz	dB	22	27	-	-
1850 ~ 3000MHz	dB	12	17	-	-
Package size	mm	SMD 3.0x3.0			-

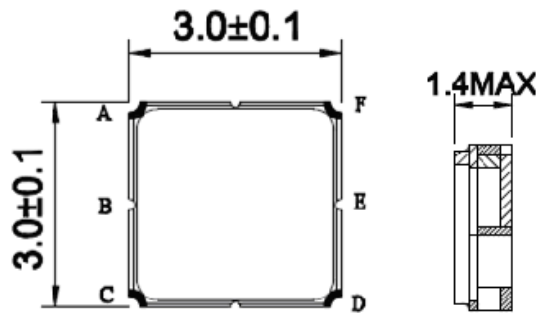
SAW Filter 868.0MHz
Part No: MP10173

Model: TA2646A
Rev No: 1

C. MEASUREMENT CIRCUIT:

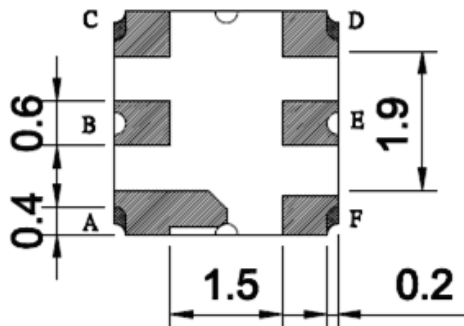
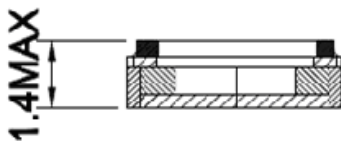


D. OUTLINE DRAWING:



Unit : mm

Not Specified Tolerance : +/-0.15 mm 5 mm



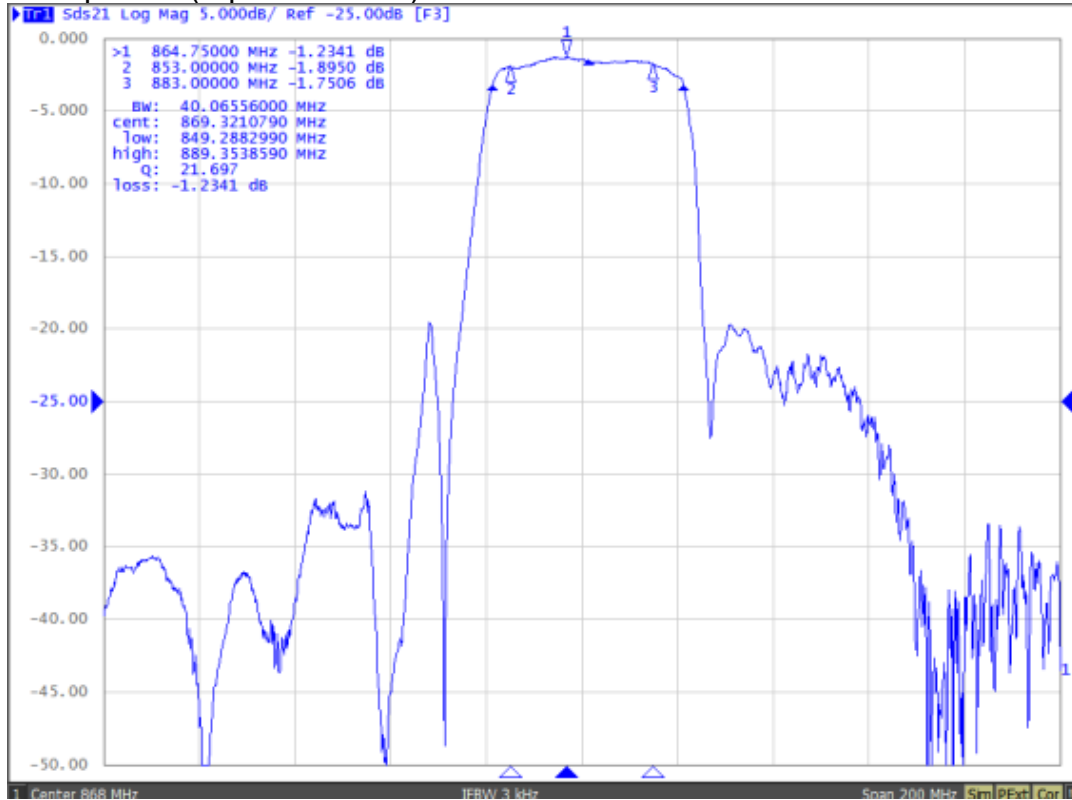
Pin No.	Symbol	Function
A	GND	Ground
B	IN	Input
C	GND	Ground
D	OUT	Output
E	GND	Ground
F	OUT	Output

SAW Filter 868.0MHz
Part No: MP10173

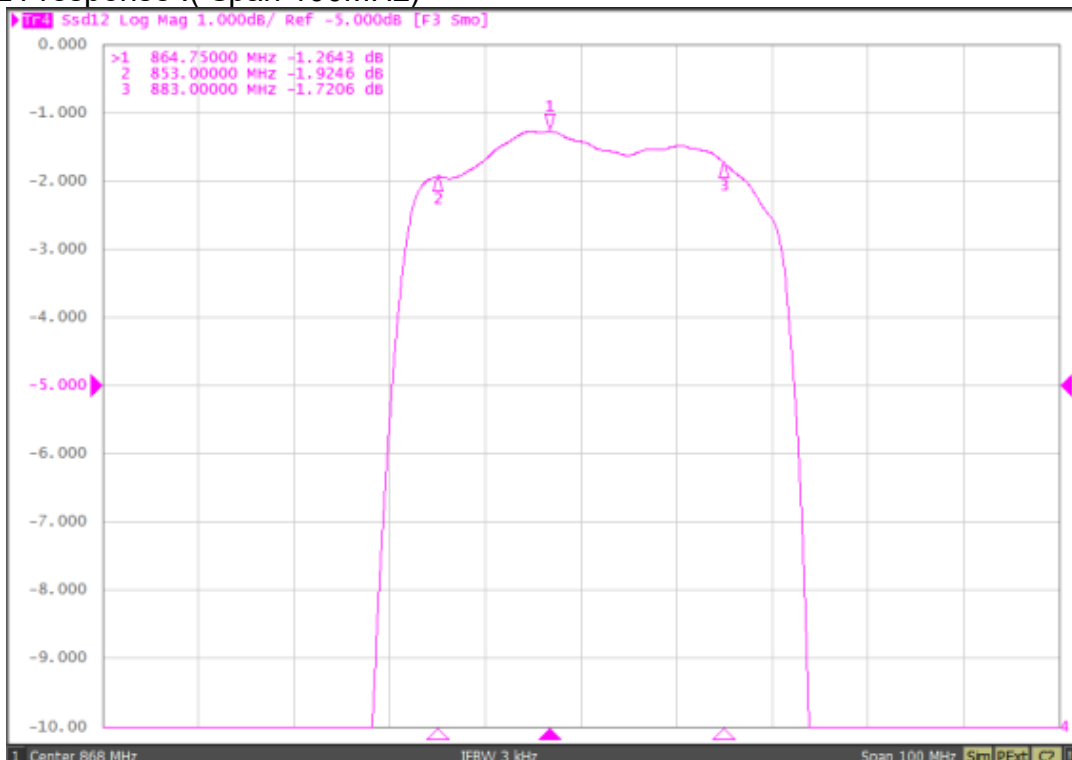
Model: TA2646A
Rev No: 1

E. FREQUENCY CHARACTERISTICS:

1. S21 response :(Span 200MHz)



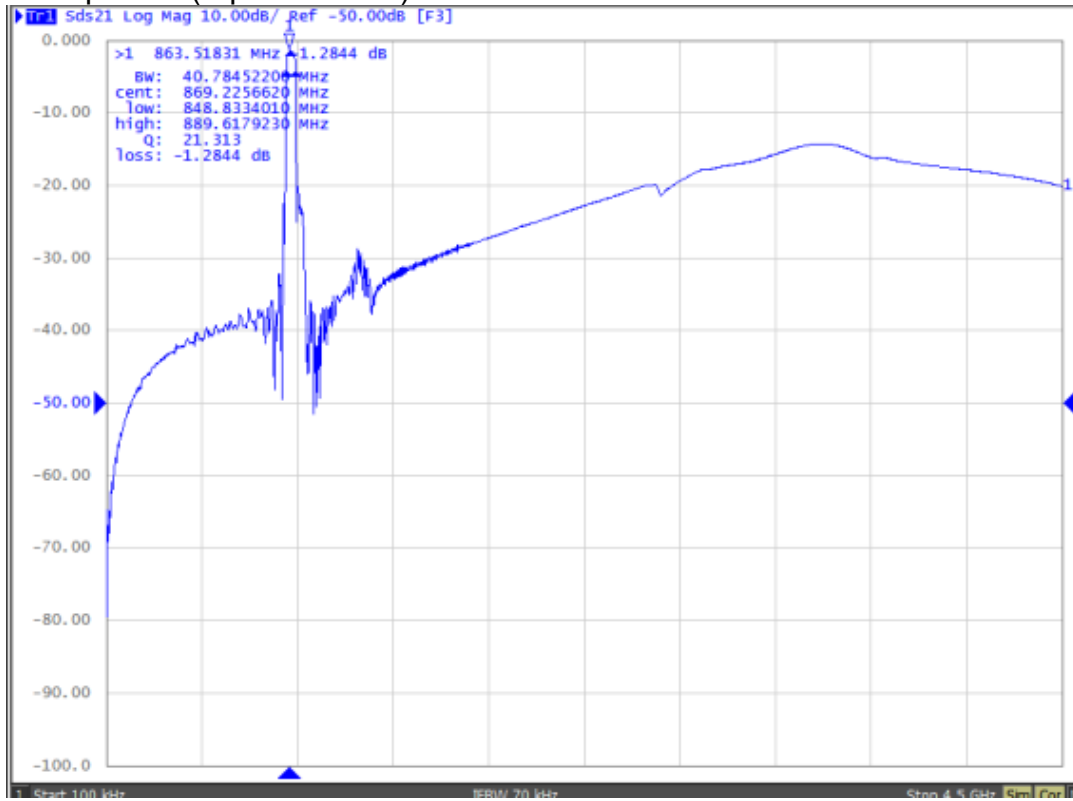
2. S21 response :(Span 100MHz)



SAW Filter 868.0MHz
Part No: MP10173

Model: TA2646A
Rev No: 1

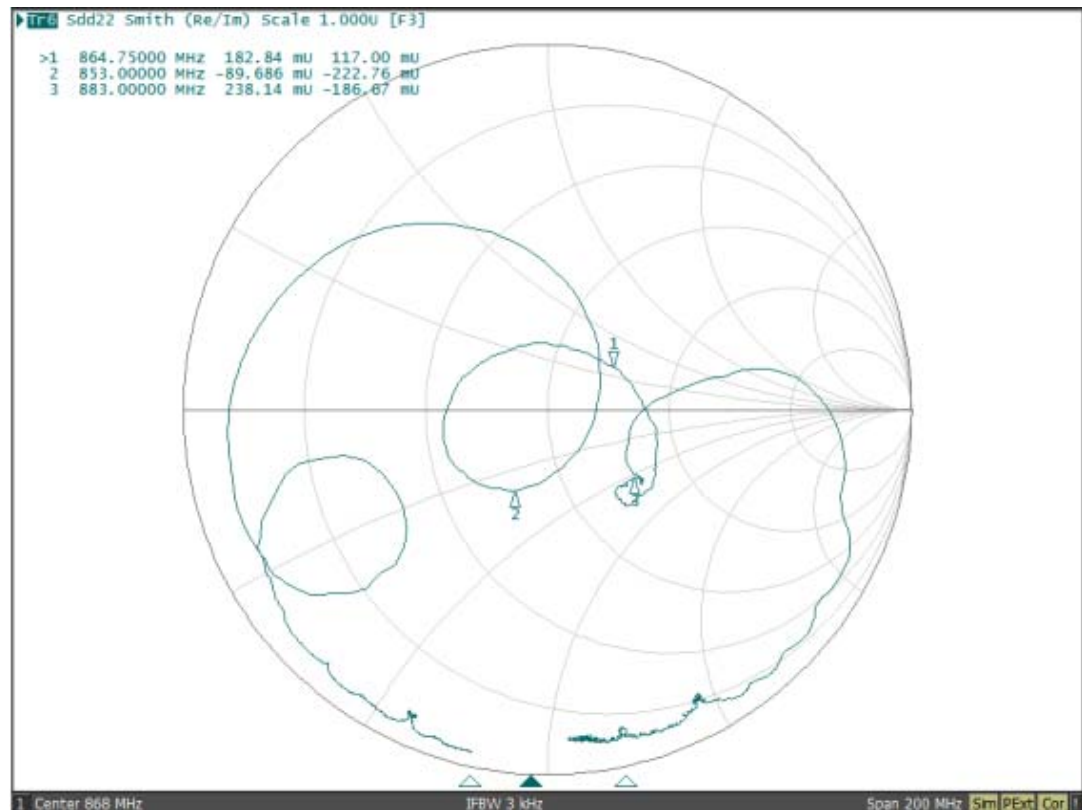
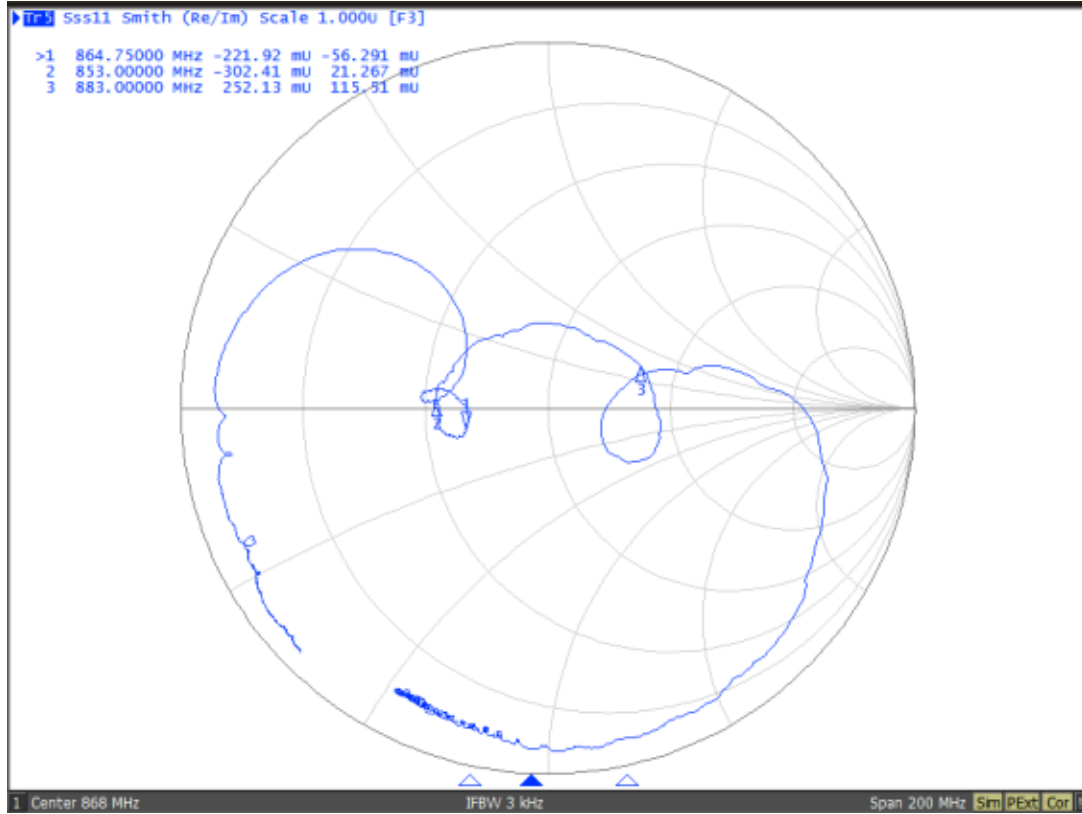
3. S21 response :(Span 4.5GHz)



SAW Filter 868.0MHz
Part No: MP10173

Model: TA2646A
Rev No: 1

4. S11/S22

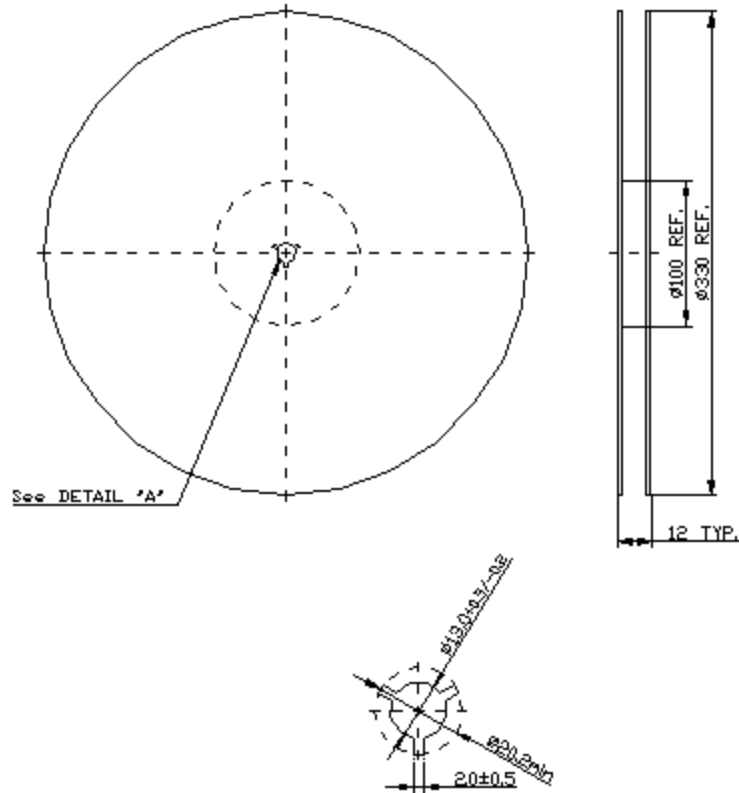


SAW Filter 868.0MHz
Part No: MP10173

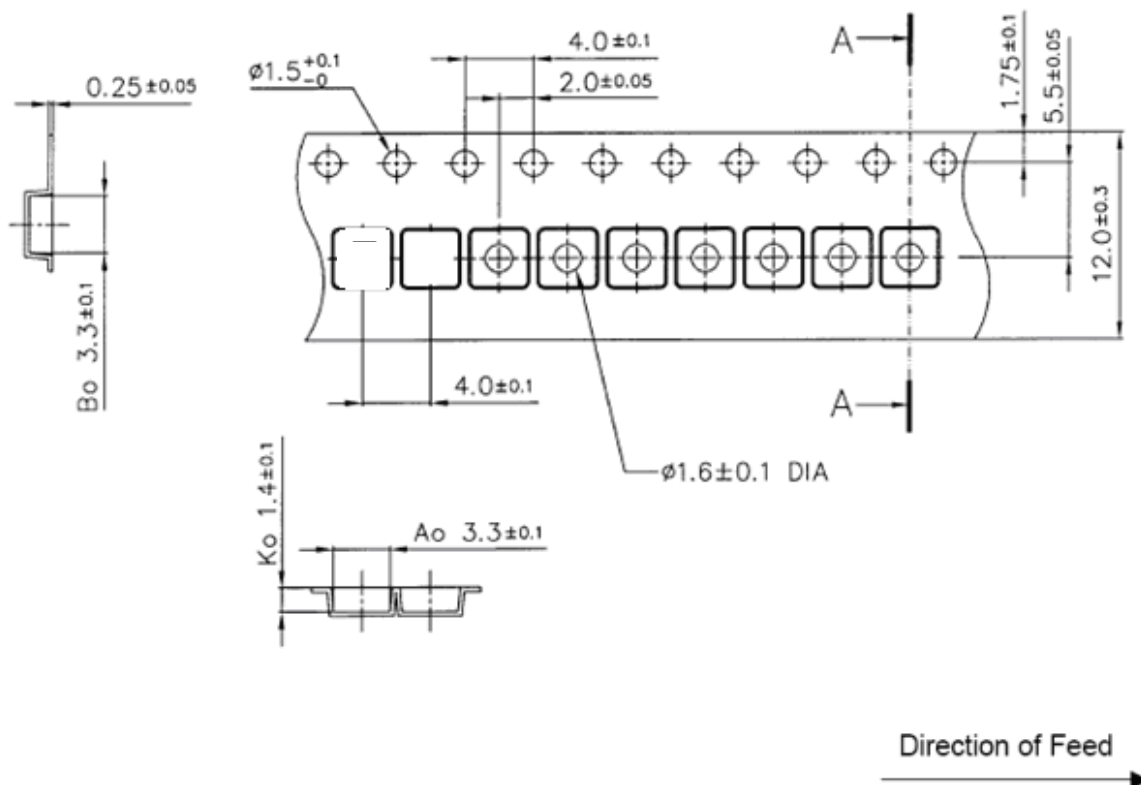
Model: TA2646A
Rev No: 1

F. PACKING:

1. Reel Dimensions



2. TAPE DIMENSION.



SAW Filter 868.0MHz
Part No: MP10173

Model: TA2646A
Rev No: 1

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.

