

SAW Filter 904.0MHz

Model: TA1860A

Part No: MP06419 (AEC-Q200 compliant)

Rev No: 2

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

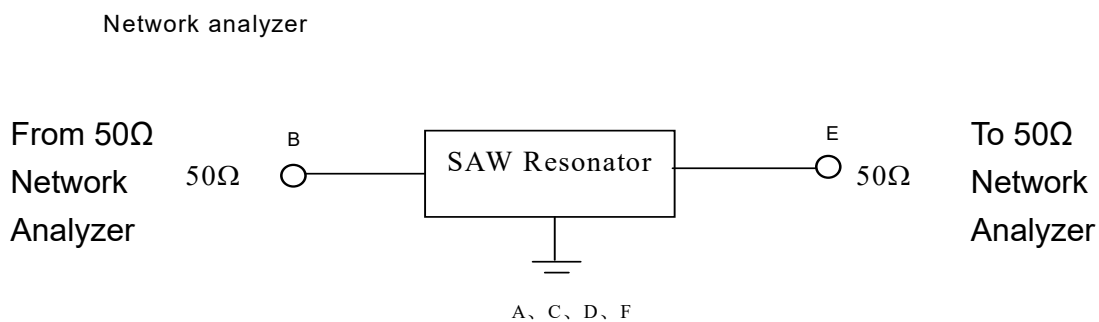
1. Input Power Level: 18 dBm
2. DC Voltage: 6V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

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

Item	Unit	Min	Typ	Max
Center Frequency Fc	MHz	-	904	-
Insertion Loss (901.5~906.5MHz) IL	dB		2.5	3.5
Amplitude ripple(901.5~906.5 MHz)	dB		0.6	1.5
VSWR			1.4	2.0
Input(901.5~906.5MHz)			1.4	2.0
Output(901.5~906.5MHz)				
Attenuation				
10 ~ 815MHz	dB	42	45	
815 ~ 875MHz	dB	40	45	
875 ~ 890MHz	dB	35	40	
920 ~ 925MHz	dB	35	40	
925 ~ 950MHz	dB	45	50	
950 ~ 1150MHz	dB	50	55	
Package size	mm	SMD 3x3		

C. TEST CIRCUIT:

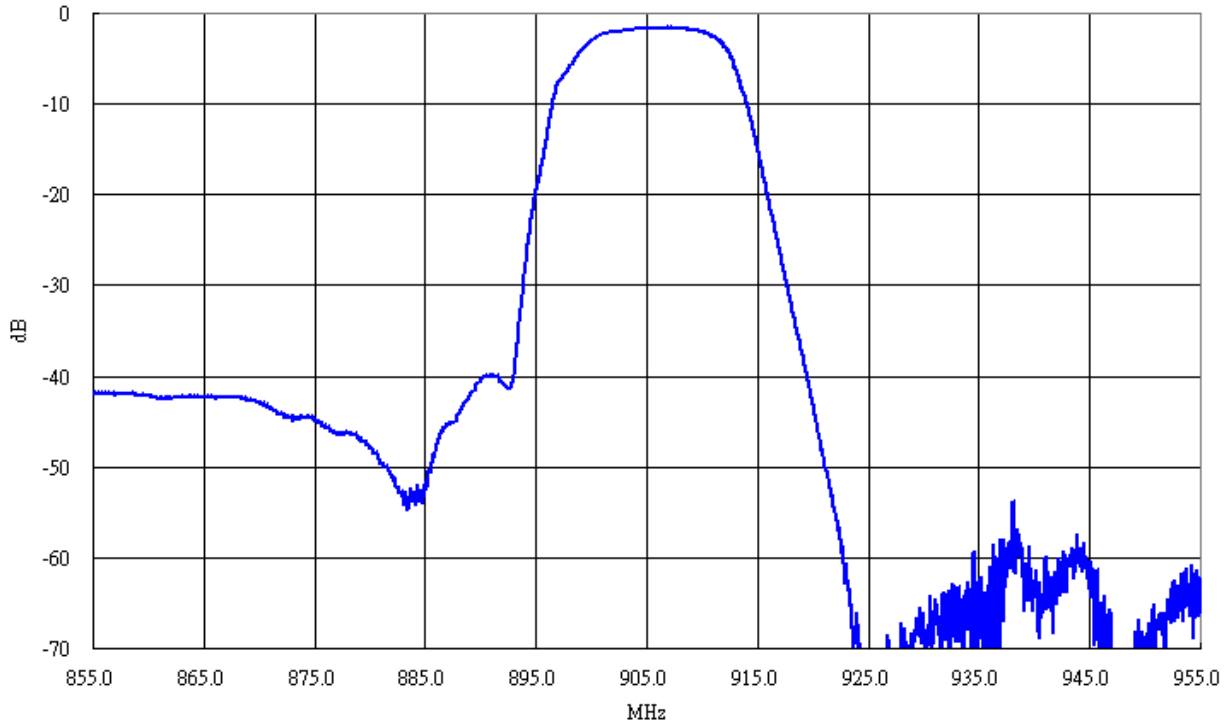


SAW Filter 904.0MHz
Part No: MP06419 (AEC-Q200 compliant)

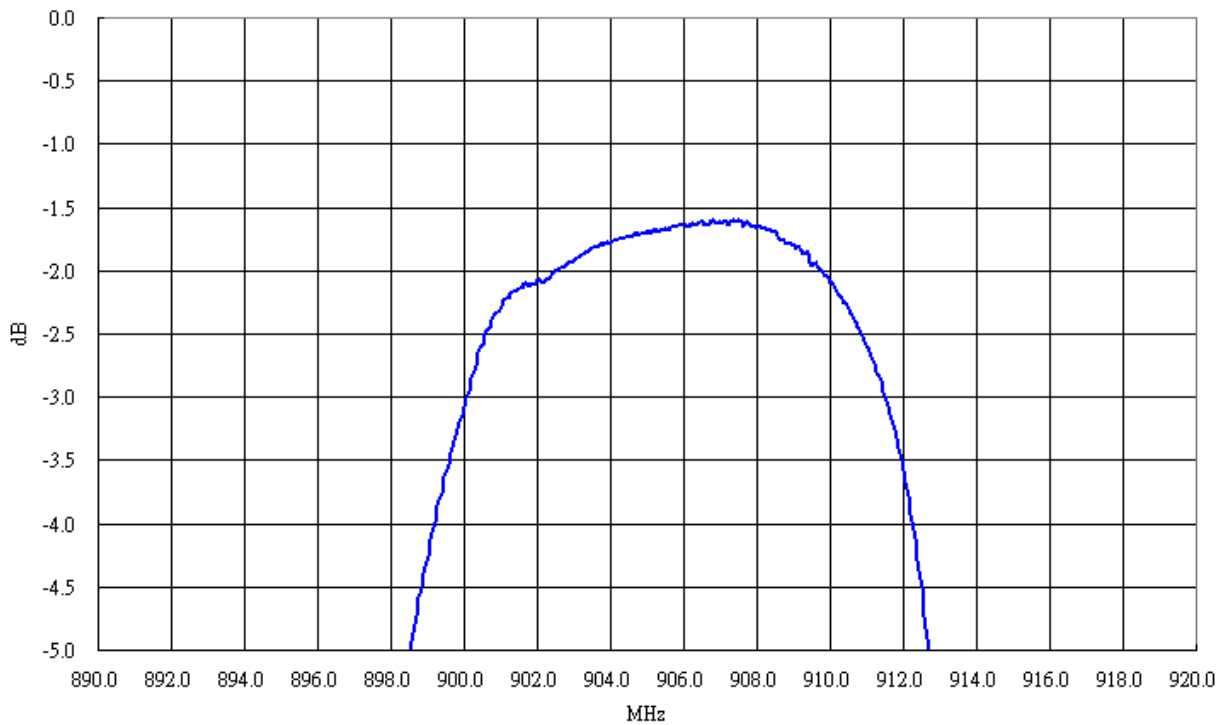
Model: TA1860A
Rev No: 2

D. FREQUENCY CHARACTERISTICS:

1. S21 response: 100MHz



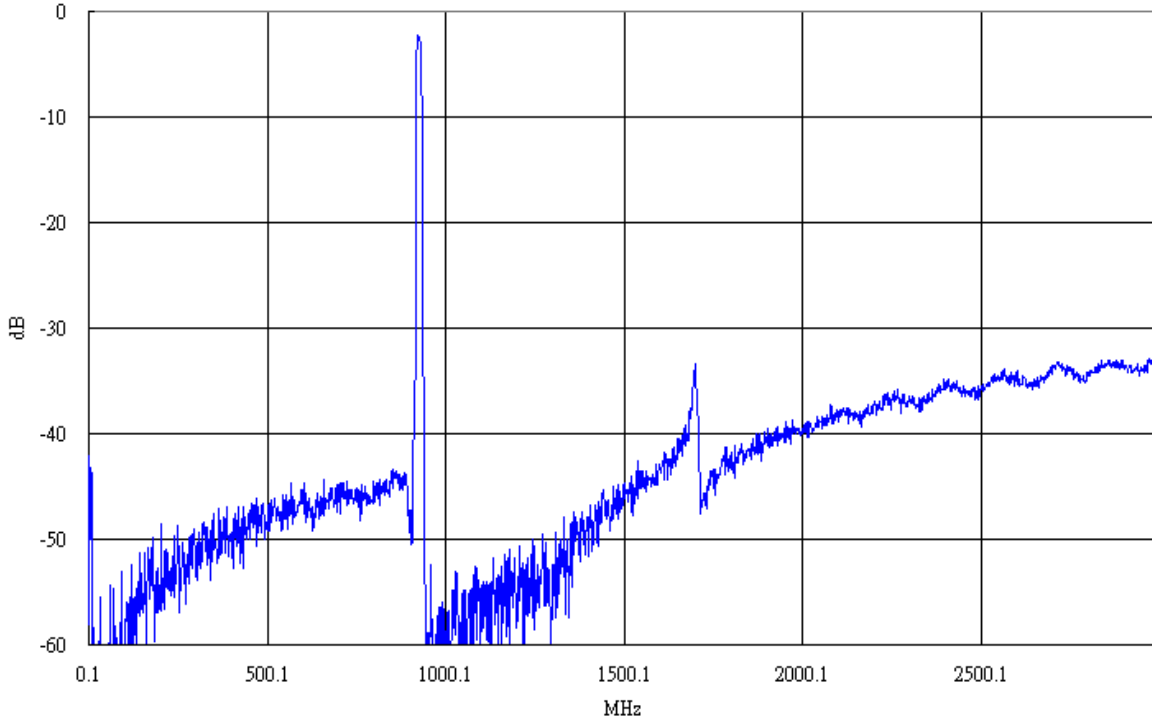
2. S21 response: 30MHz



SAW Filter 904.0MHz
Part No: MP06419 (AEC-Q200 compliant)

Model: TA1860A
Rev No: 2

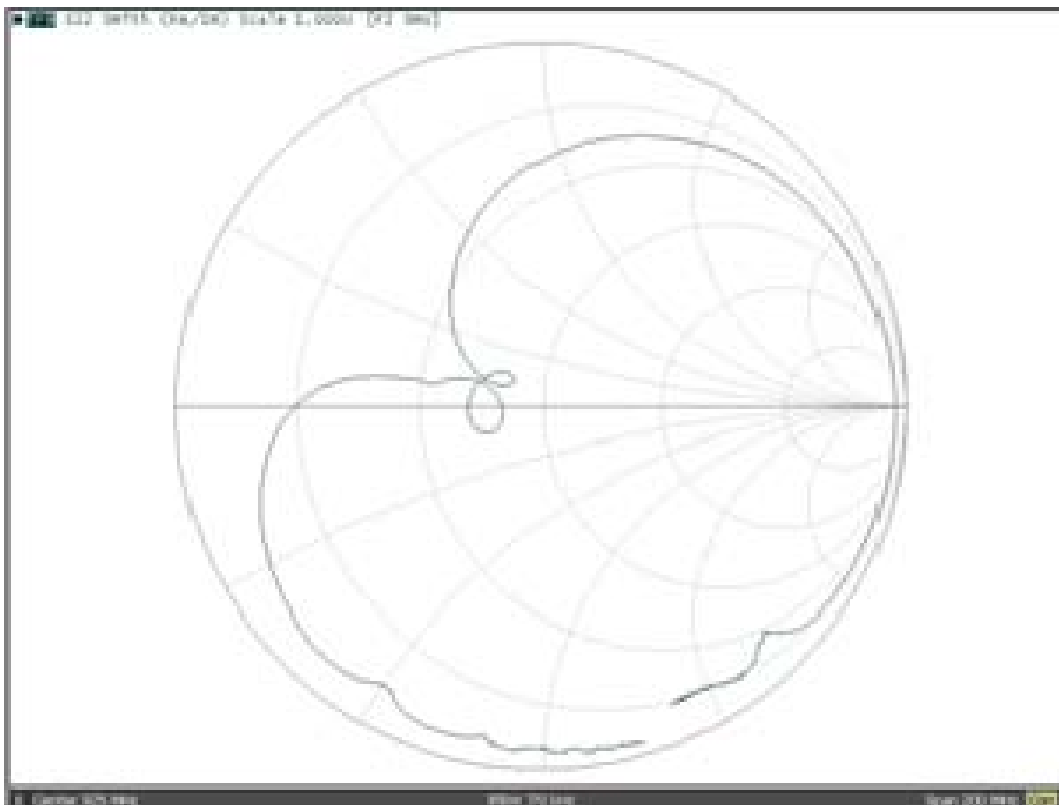
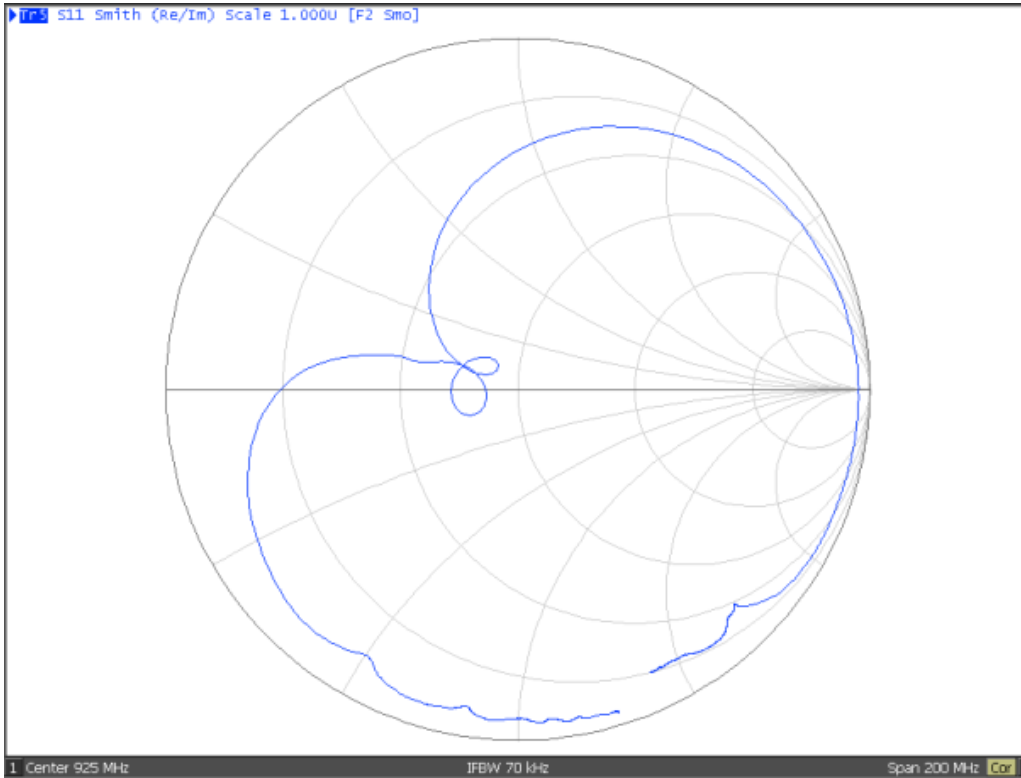
3. S21 response: 1 ~ 3000MHz



SAW Filter 904.0MHz
Part No: MP06419 (AEC-Q200 compliant)

Model: TA1860A
Rev No: 2

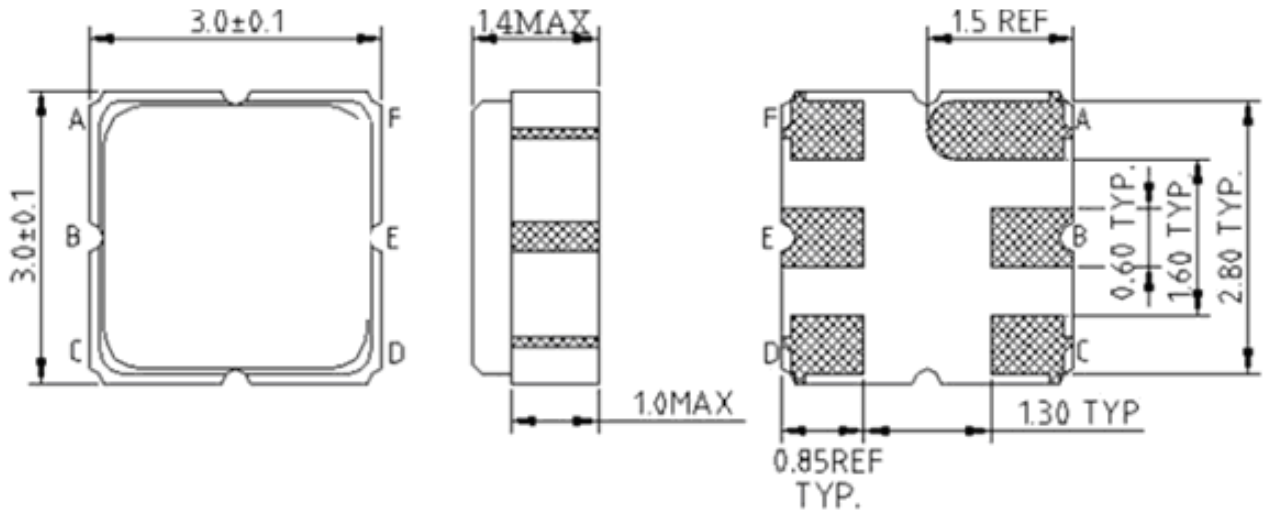
4. S11/S22 response:



SAW Filter 904.0MHz
Part No: MP06419 (AEC-Q200 compliant)

Model: TA1860A
Rev No: 2

E. OUTLINE DRAWING:



#B: Input
#E: Output
A.C.D.F Ground

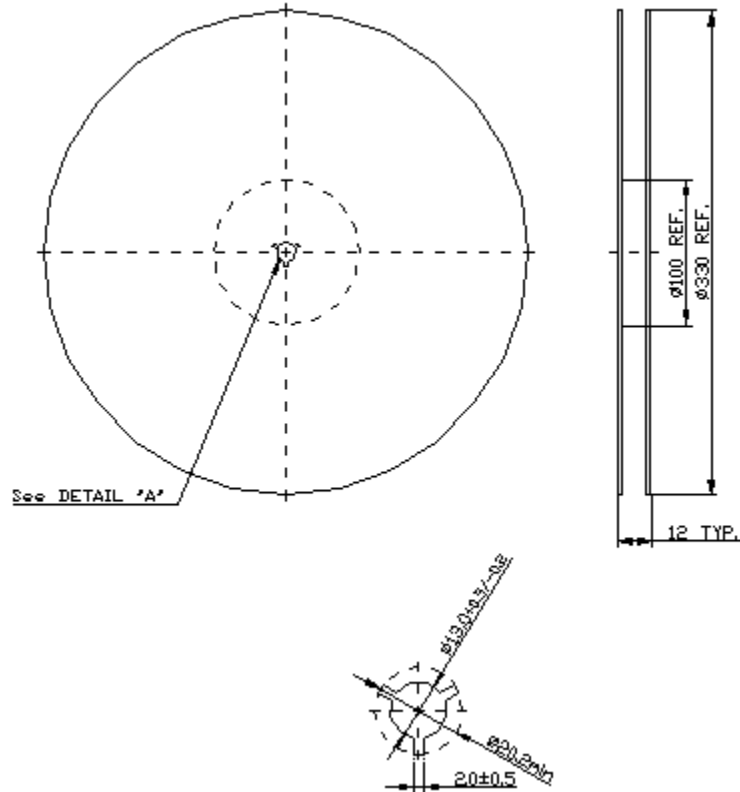
Unit: mm

SAW Filter 904.0MHz
Part No: MP06419 (AEC-Q200 compliant)

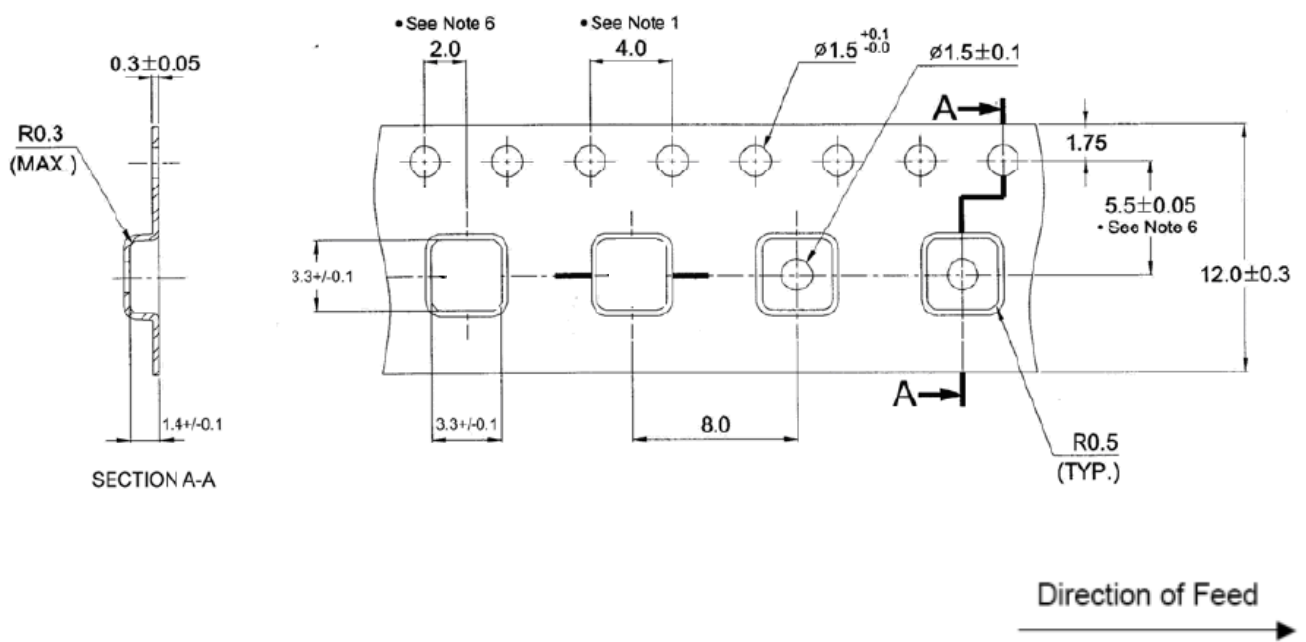
Model: TA1860A
Rev No: 2

F. PACKING:

1. Reel Dimensions



2. Tape Dimensions



SAW Filter 904.0MHz
Part No: MP06419 (AEC-Q200 compliant)

Model: TA1860A
Rev No: 2

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

