

SAW Filter 1030.0MHz

Model: TA0690B

Part No: MP08166

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 20dBm
2. DC Voltage: 3V
3. Operating Temperature: -55°C to +100°C
4. Storage Temperature: -55°C to +105°C

B. ELECTRICAL CHARACTERISTICS:

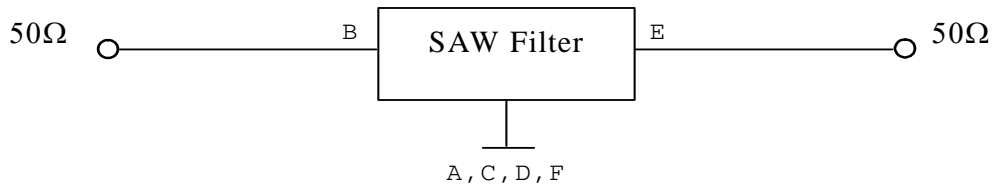
Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1030	-	-
Insertion Loss (1015 ~ 1045MHz) IL	dB	-	2.4	3.5	-
Amplitude Ripple (1025 ~ 1035MHz)	dB	-	0.1	1.5	-
VSWR (1015 ~ 1045MHz)		-	1.6	2.3	-
Attenuation (Reference level from 0dB)					
DC ~ 910MHz	dB	25.0	28	-	-
1090 ~ 1300MHz	dB	25.0	31	-	-

SAW Filter 1030.0MHz
Part No: MP08166

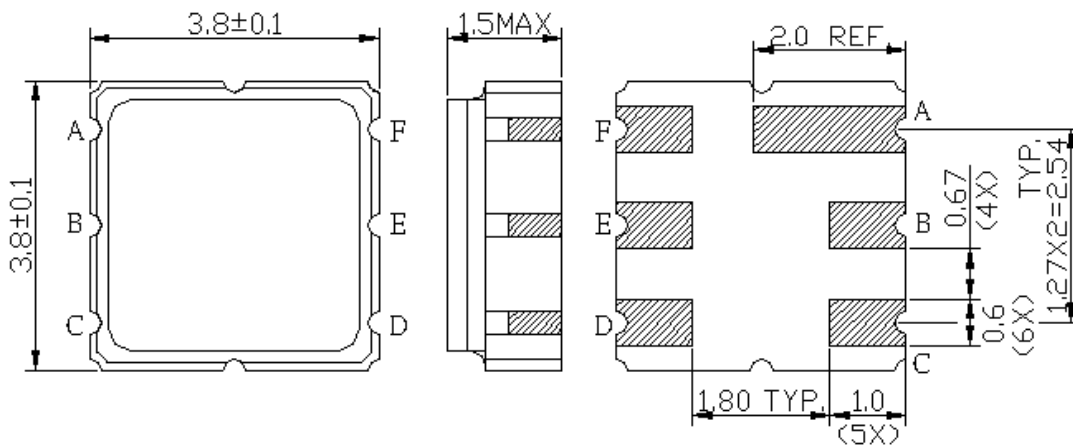
Model: TA0690B
Rev No: 1

C. MEASUREMENT CIRCUIT:

HP Network analyzer

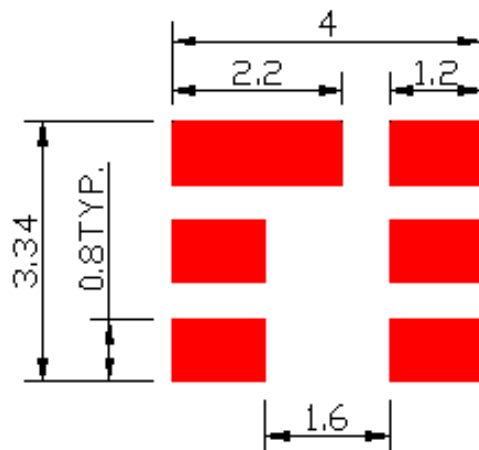


D. OUTLINE DRAWING:



B: Input
 E: Output
 A, C, D, F: Ground
 Unit: mm

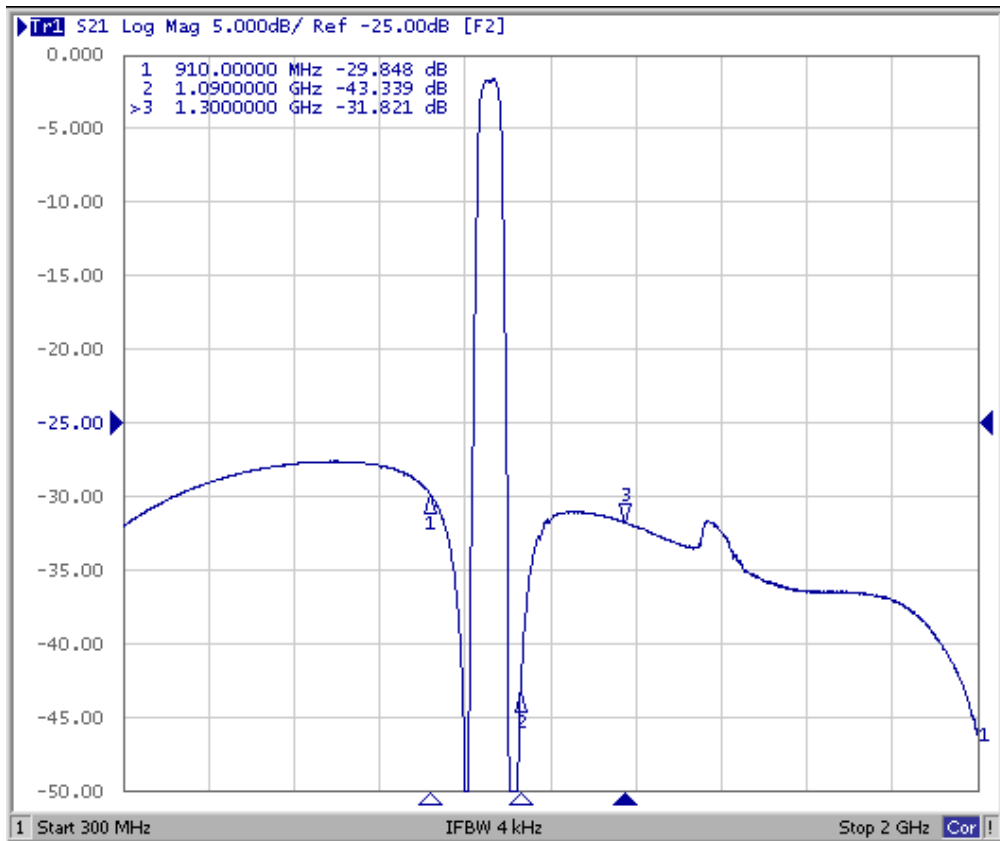
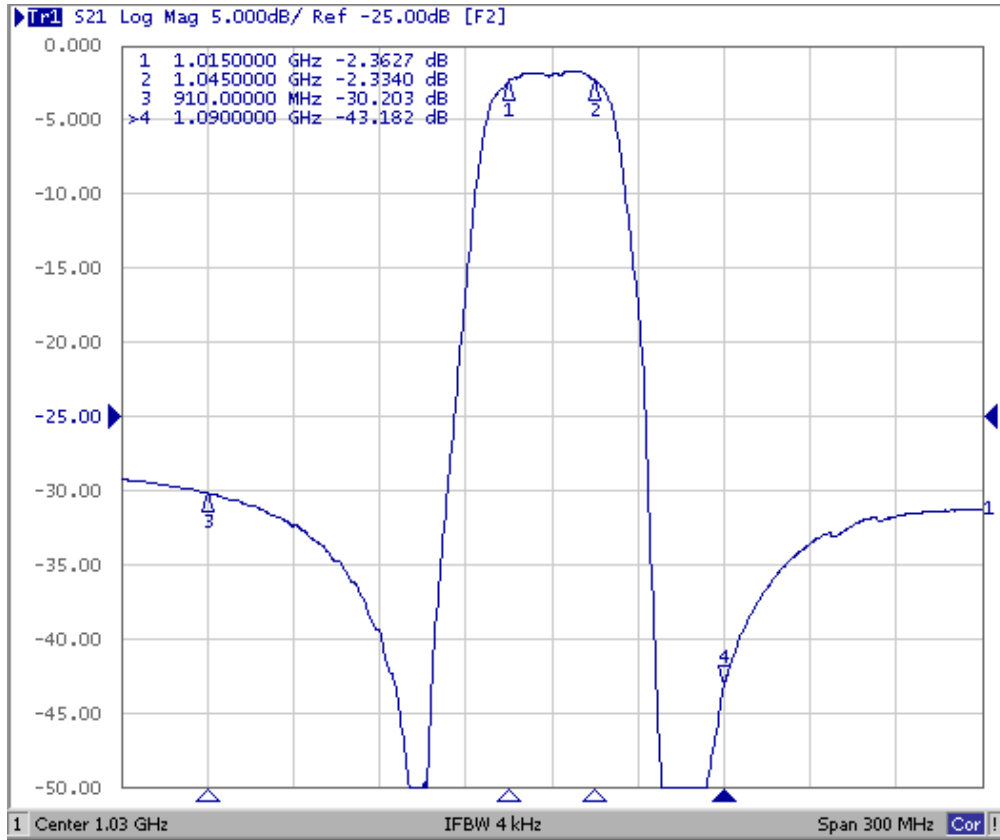
E. PCB FOOTPRINT:



SAW Filter 1030.0MHz
Part No: MP08166

Model: TA0690B
Rev No: 1

F. FREQUENCY CHARACTERISTICS:

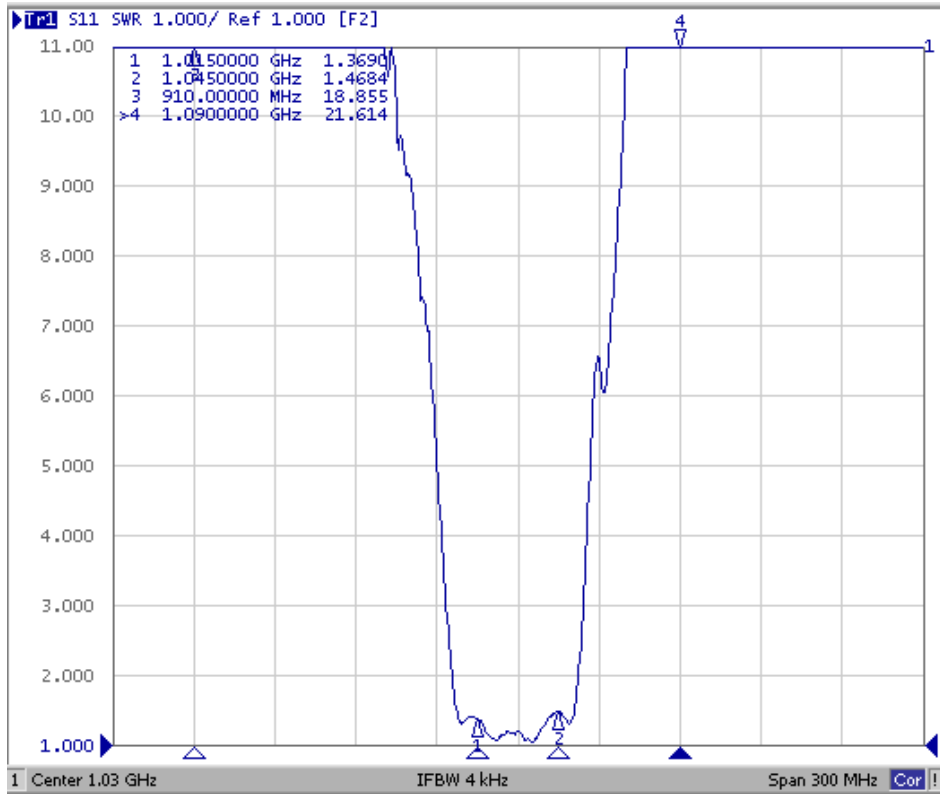


SAW Filter 1030.0MHz
Part No: MP08166

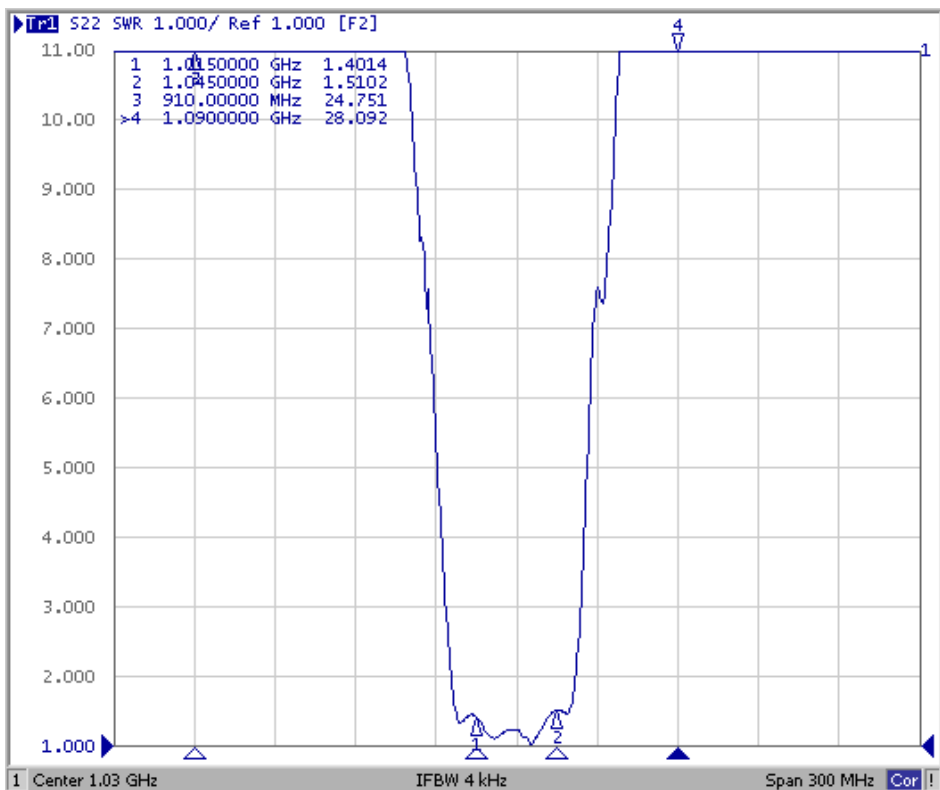
Model: TA0690B
Rev No: 1

Reflection Functions

S11



S22

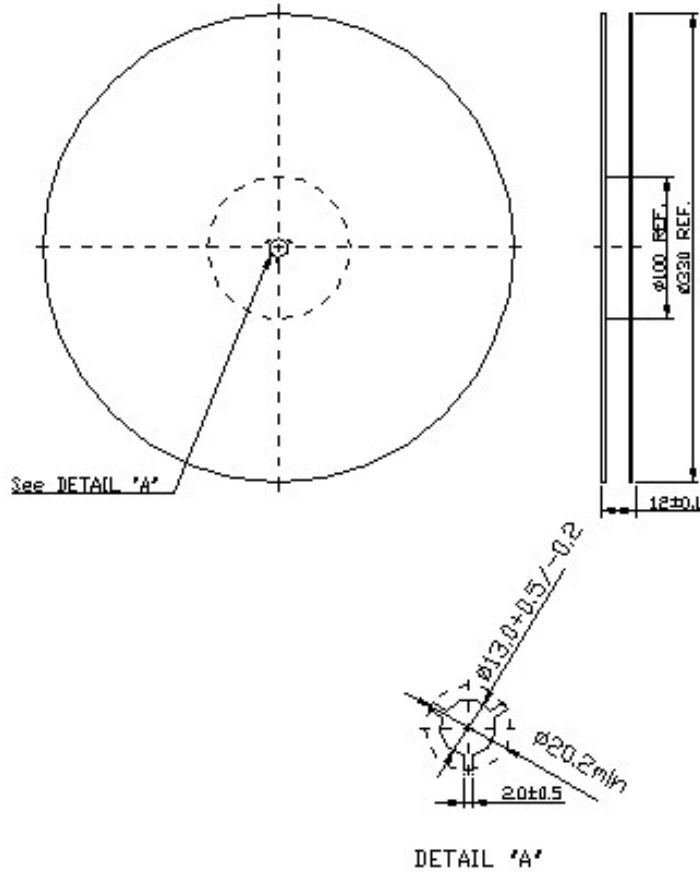


SAW Filter 1030.0MHz
Part No: MP08166

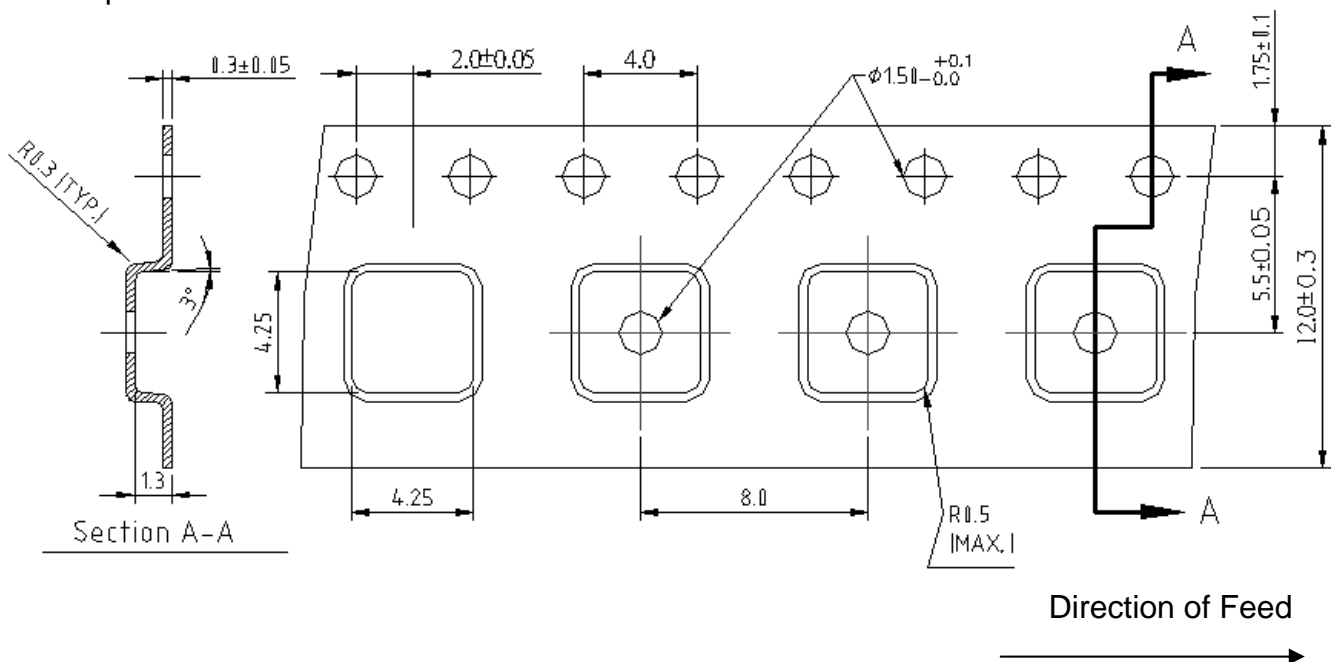
Model: TA0690B
Rev No: 1

G. PACKING:

1. Reel Dimension



2. Tape Dimension



SAW Filter 1030.0MHz
Part No: MP08166

Model: TA0690B
Rev No: 1

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 260°C +0/-5°C peak (20 ~ 40 sec).
4. Time: 2 times.

