

**SAW Filter 925.20MHz**

**Model: TA1720B**

**Part No: MP10044**

**Rev No: 1**

**A. MAXIMUM RATING:**

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 16dBm
2. DC Voltage: 6V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Electrostatic Discharge (ESD): HBM 200V, MM 100V

**B. ELECTRICAL CHARACTERISTICS:**

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

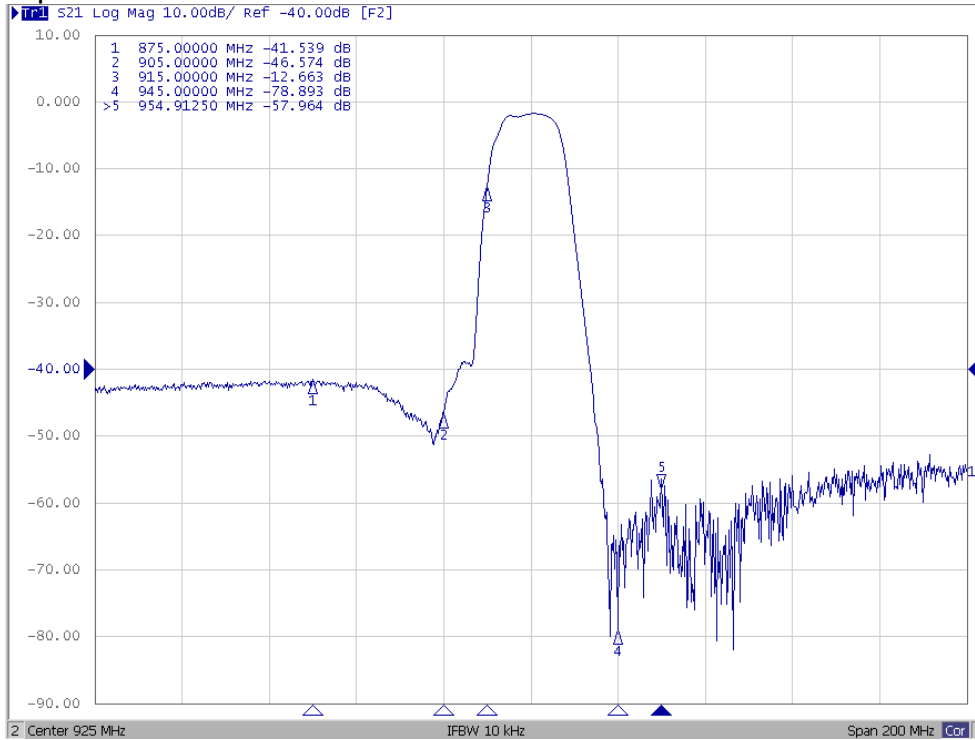
Item	Unit	Min	Typ	Max
Center Frequency	MHz	-	925.2	-
Insertion Loss (922.3 ~ 928.1MHz)	dB	-	2.5	3.5
Amplitude ripple (922.3 ~ 928.1MHz)	dB	-	0.5	1.5
VSWR Input (922.3 ~ 928.1MHz)	-	-	1.3	2.0
VSWR Output (922.3 ~ 928.1MHz)	-	-	1.3	2.0
Attenuation				
10 ~ 815MHz	dB	40	43	-
815 ~ 875MHz	dB	40	42	-
875 ~ 905MHz	dB	35	42	-
905 ~ 915MHz	dB	8	12	-
945 ~ 950MHz	dB	35	55	-
950 ~ 1150MHz	dB	50	55	-
1150 ~ 1856MHz	dB	32	34	-
1856 ~ 2500MHz	dB	32	35	-
Package size	mm	SMD 3 x 3		

**SAW Filter 925.20MHz**  
**Part No: MP10044**

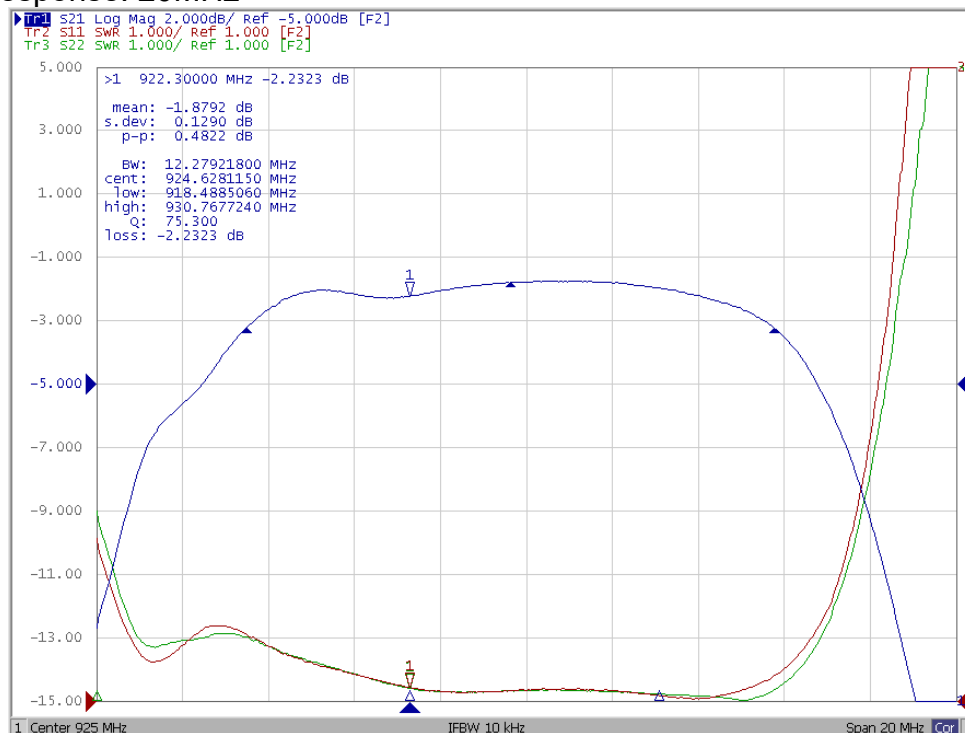
**Model: TA1720B**  
**Rev No: 1**

**C. FREQUENCY CHARACTERISTICS:**

1. S21 response: 200MHz



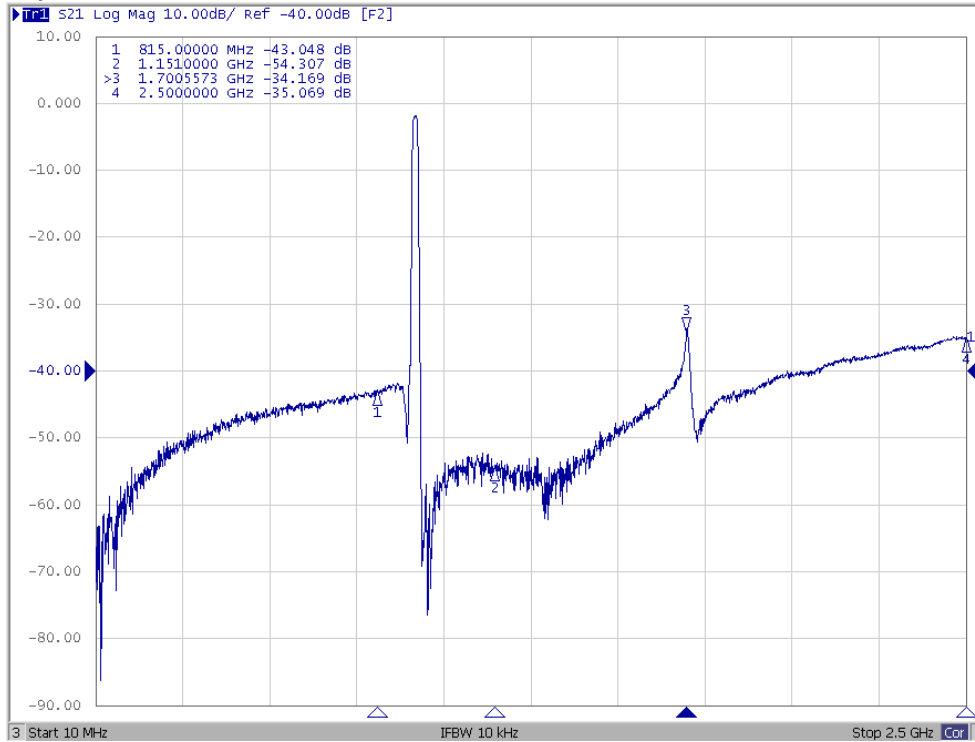
2. S21 response: 20MHz



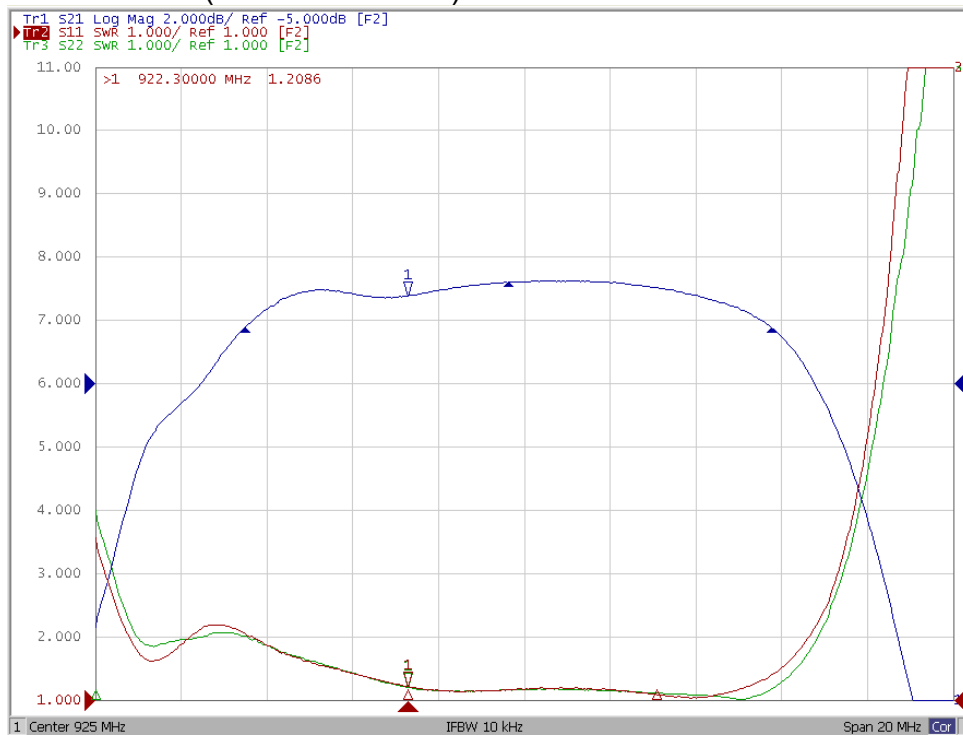
**SAW Filter 925.20MHz**  
**Part No: MP10044**

**Model: TA1720B**  
**Rev No: 1**

3. S21 response: 1 ~ 2500MHz



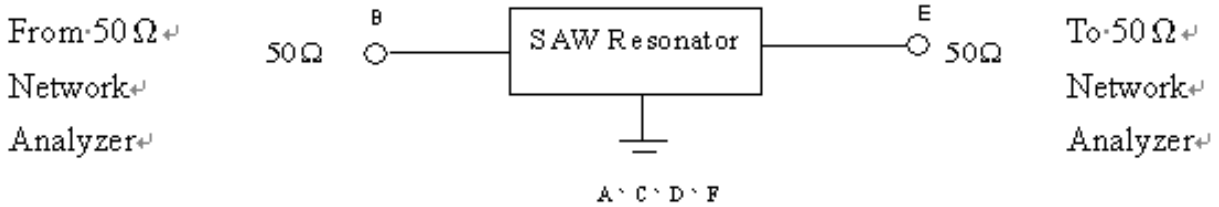
4. Reflection Function (VSWR1/VSWR2)



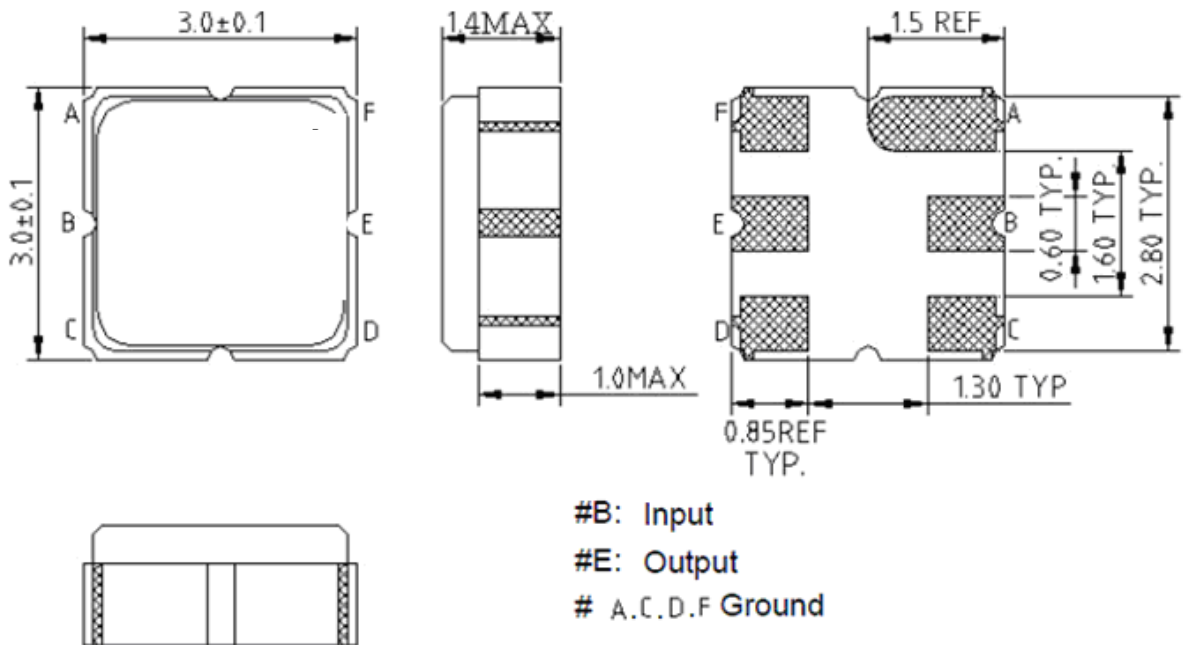
**SAW Filter 925.20MHz**  
**Part No: MP10044**

**Model: TA1720B**  
**Rev No: 1**

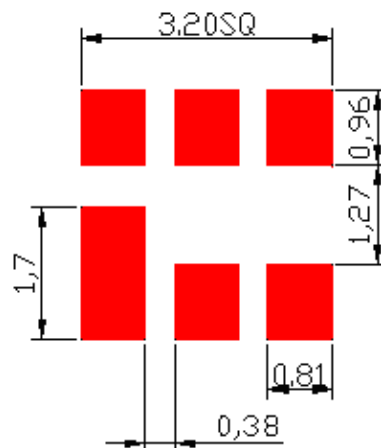
**D. TEST CIRCUIT:**



**E. OUTLINE DRAWING:**



**F. PCB FOOTPRINT:**

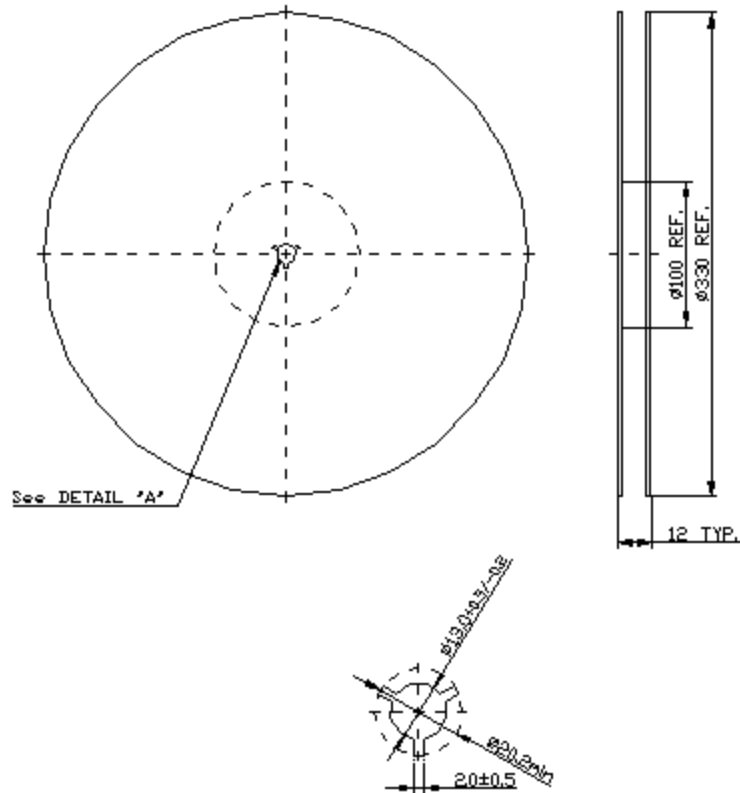


**SAW Filter 925.20MHz**  
**Part No: MP10044**

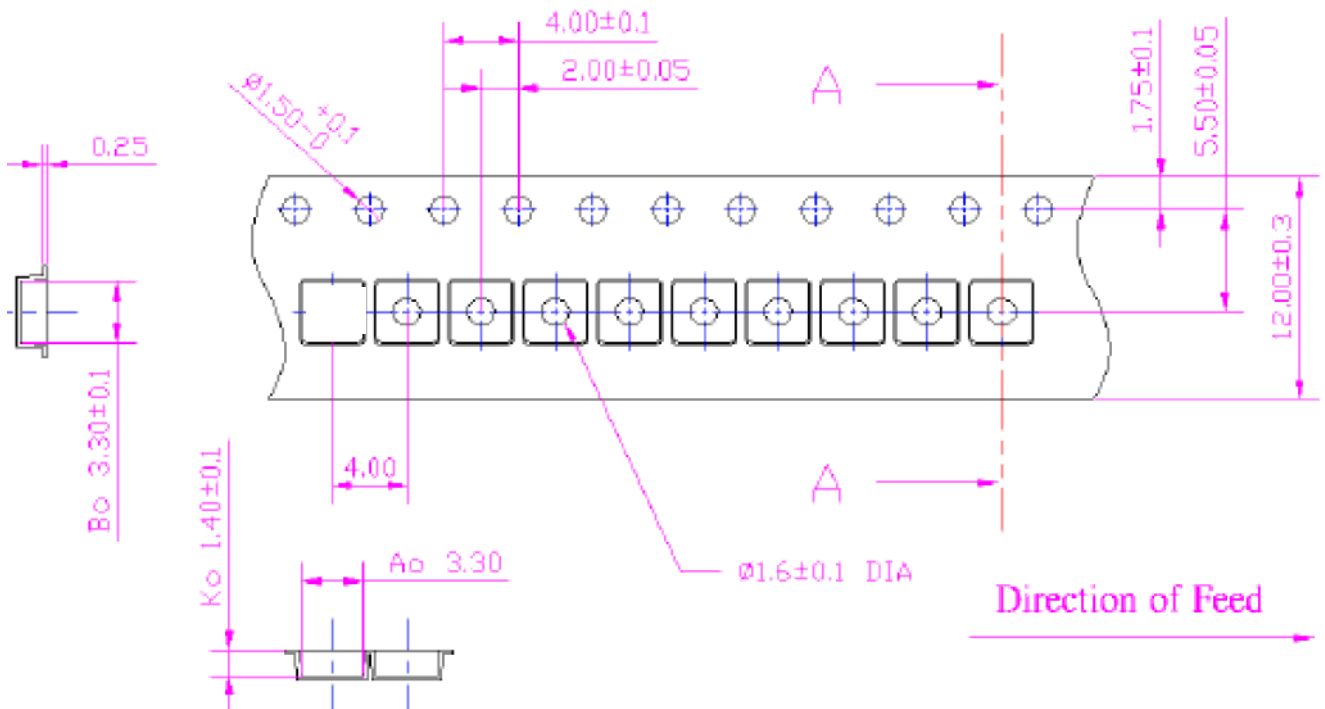
**Model: TA1720B**  
**Rev No: 1**

**G. PACKING:**

1. Reel Dimensions



2. Tape Dimensions:



**SAW Filter 925.20MHz**

**Model: TA1720B**

**Part No: MP10044**

**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 (20~40sec).
4. Time: 2 times.

