

**SAW Filter 457.50MHz**  
**Part No: MP10035**

**Model: TA2323A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

Electrostatic Sensitive Device

1. Input Power Level: 20dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1 (MSL1)

**B. ELECTRICAL CHARACTERISTICS:**

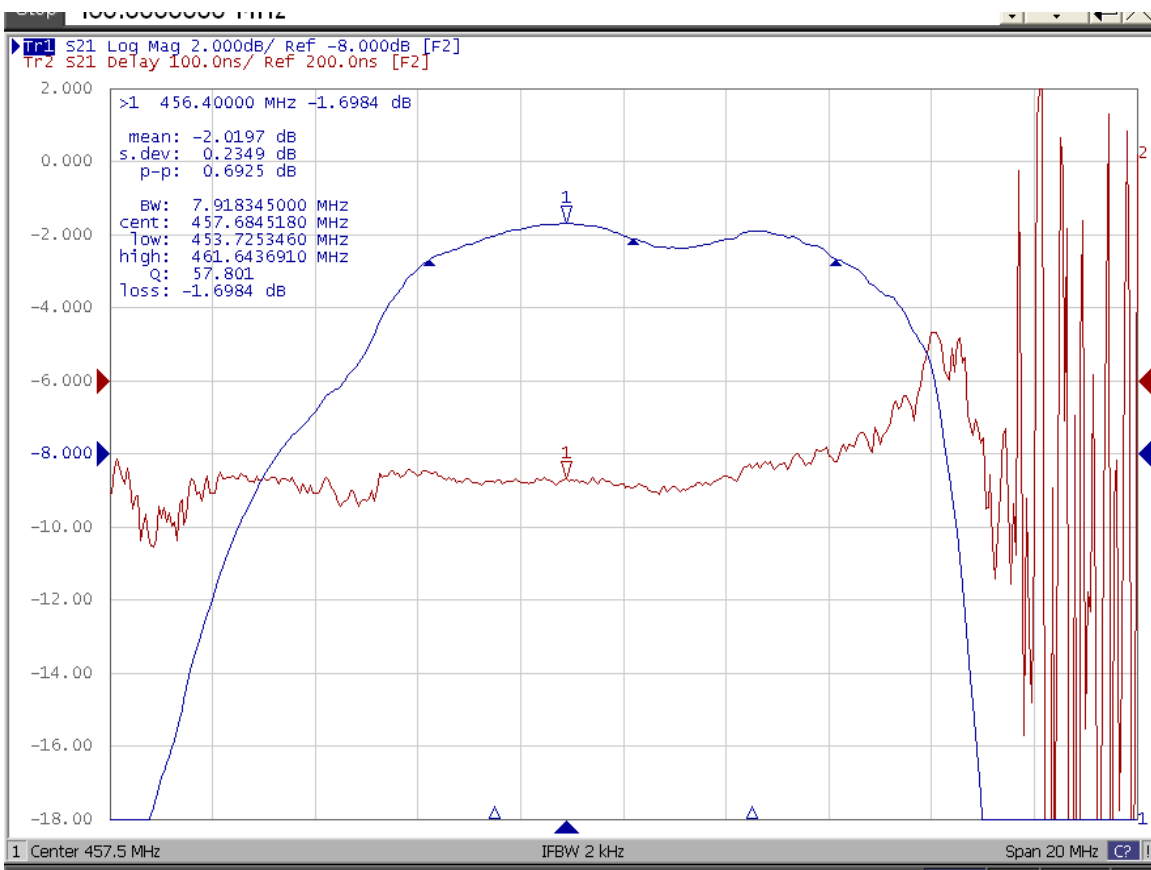
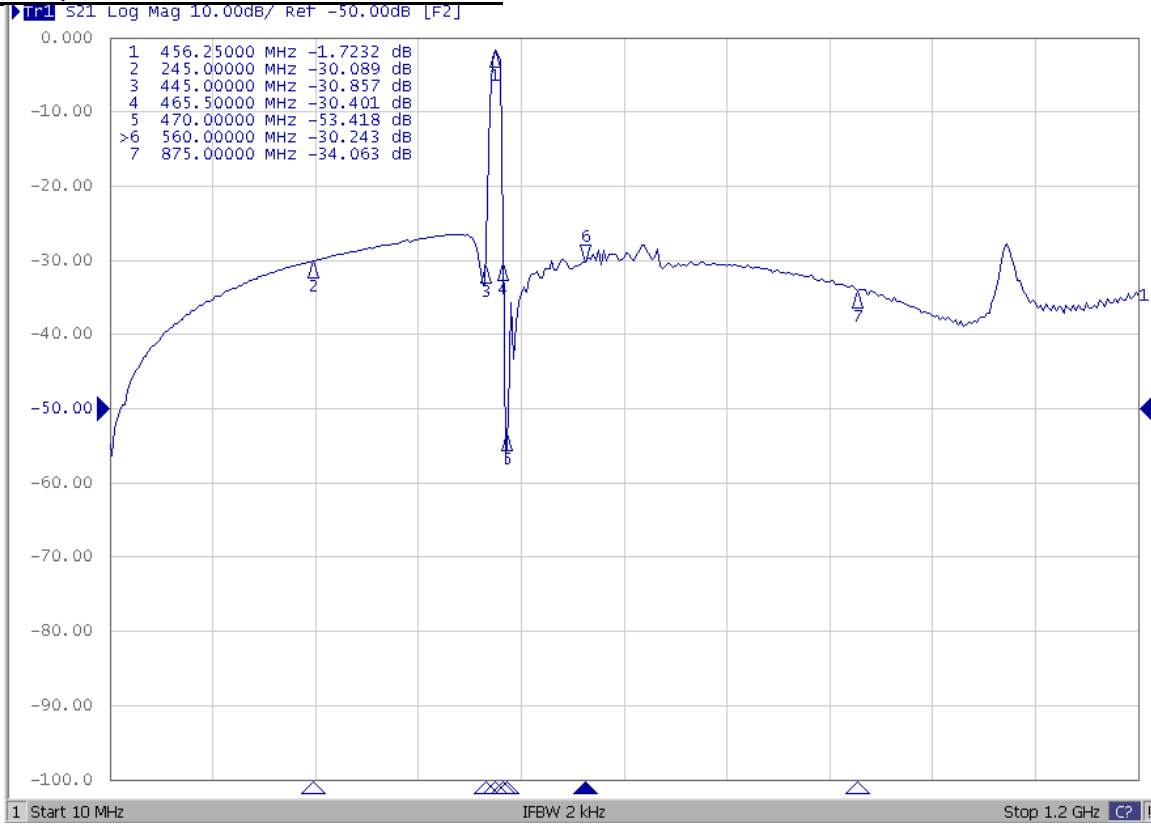
Ambient Temperature: 25°C

Item	Unit	Min.	Typ.	Max.	Note
Center frequency Fc	MHz	-	457.5	-	-
Insertion Loss IL min	dB	-	1.68	2.50	-
VSWR 455 ~ 460MHz	-	-	1.2	2.0	-
Amplitude Ripple 455 ~ 460MHz	dB	-	0.7	1.0	-
Group Delay 455 ~ 460MHz	nS	-	55	150	-
Attenuation:(Reference level from 0dB)					
DC ~ 245.00MHz	dB	28	30	-	-
245.00 ~ 445.00MHz	dB	25	27	-	-
466.00 ~ 470.00MHz	dB	35	40	-	-
470.00 ~ 560.00MHz	dB	25	30	-	-
560.00 ~ 875.00MHz	dB	25	29	-	-
875.00 ~ 1200.00MHz	dB	25	28	-	-
Temperature Coefficient	ppm/°C	-	-32	-	-
Source Impedance	Ohm	-	50	-	-
Load Impedance	Ohm	-	50	-	-

**SAW Filter 457.50MHz**  
**Part No: MP10035**

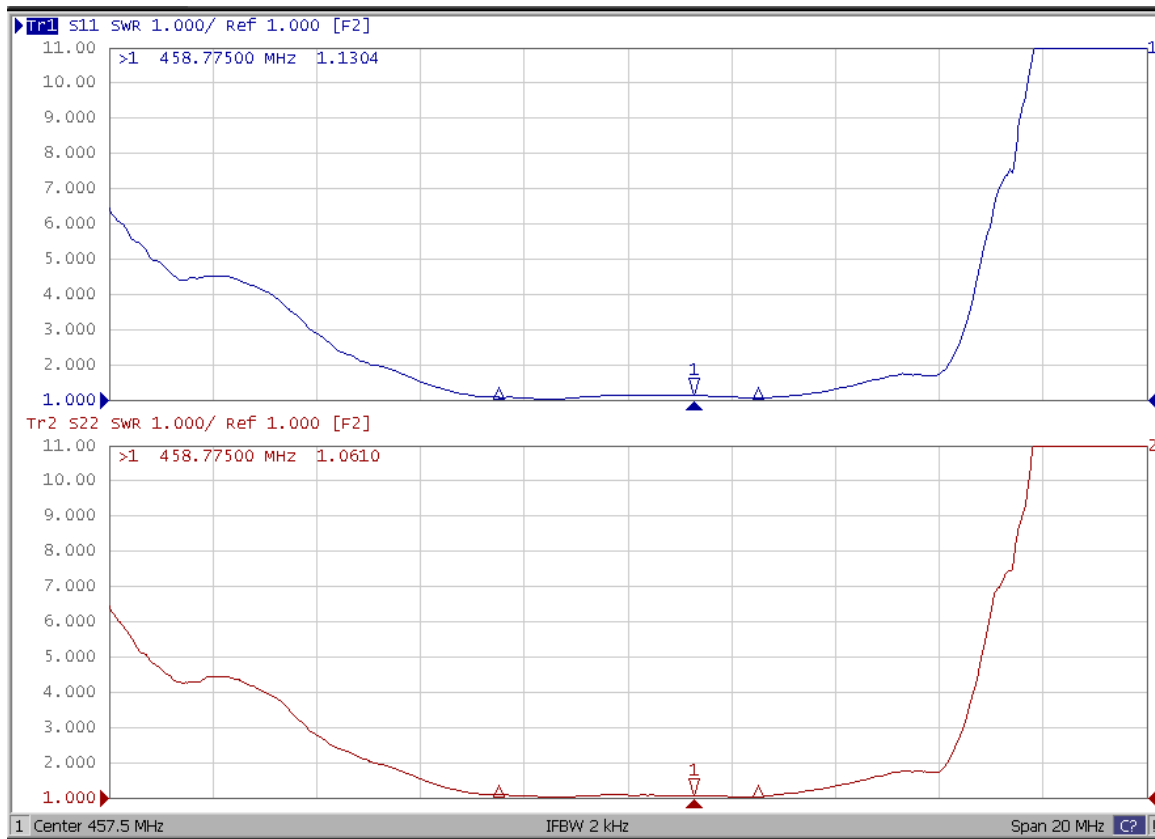
**Model: TA2323A**  
**Rev No: 1**

**C. FREQUENCY CHARACTERISTICS:**



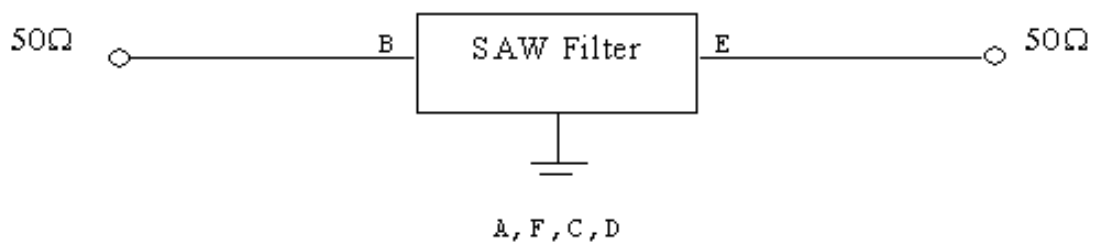
**SAW Filter 457.50MHz**  
**Part No: MP10035**

**Model: TA2323A**  
**Rev No: 1**



**D. MEASUREMENT CIRCUIT:**

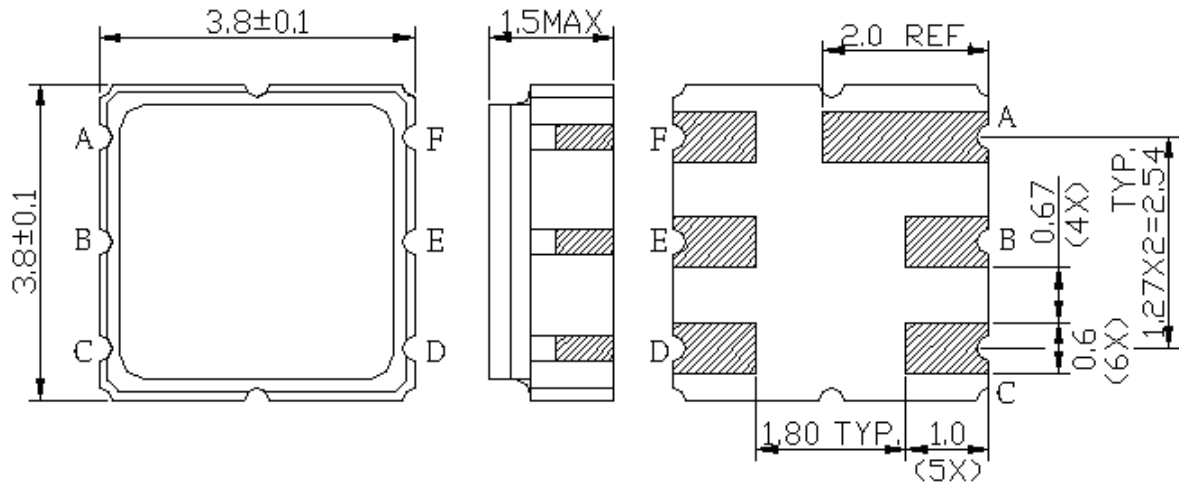
HP Network analyzer



**SAW Filter 457.50MHz**  
**Part No: MP10035**

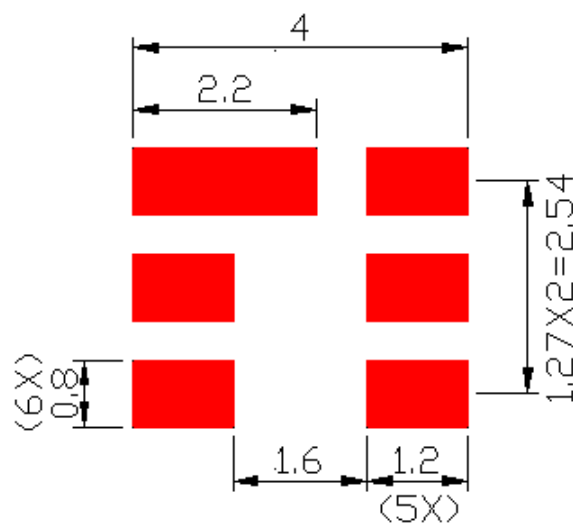
**Model: TA2323A**  
**Rev No: 1**

**E. OUTLINE DRAWING:**



B: Input  
 E: Output  
 Other: Ground  
 Unit: mm

**F. PCB FOOTPRINT:**

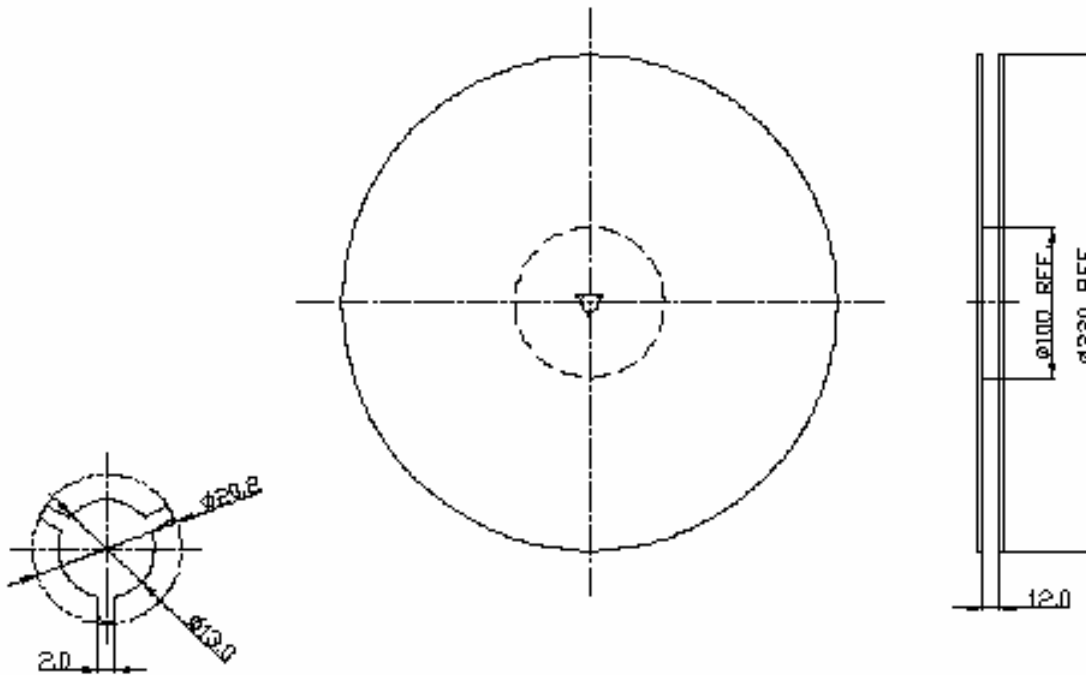


**SAW Filter 457.50MHz**  
**Part No: MP10035**

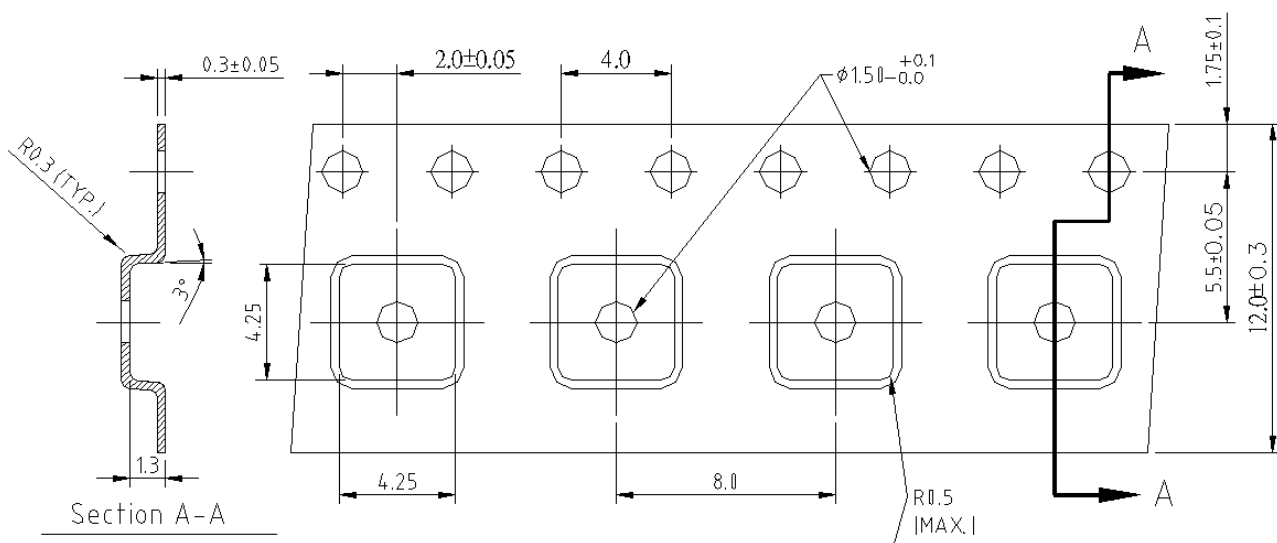
**Model: TA2323A**  
**Rev No: 1**

**G. PACKING:**

1. Reel Dimensions



2. Tape Dimensions



**SAW Filter 457.50MHz**  
**Part No: MP10035**

**Model: TA2323A**  
**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.

