

**SAW Filter 413.0MHz**  
**Part No: MP04963**

**Model: TA1614A**  
**Rev. No:1**

**A. MAXIMUM RATING:**

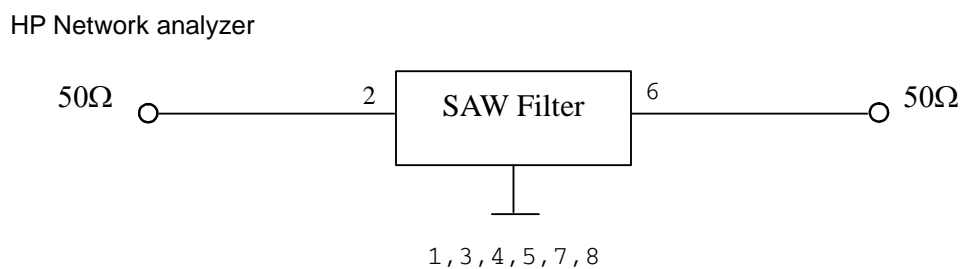
**Electrostatic Sensitive Device (ESD)**

1. Input Power Level: 15dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	413	-
Insertion Loss (412 ~ 414MHz) IL	dB	-	1.8	3.0
Amplitude Ripple (412 ~ 414MHz)	dB	-	0.3	1.5
VSWR (412 ~ 414MHz)	-	-	1.4	2.2
Attenuation (Reference level from 0dB)				
10 ~ 400MHz	dB	55	57	-
400 ~ 405MHz	dB	10	47	-
425 ~ 430MHz	dB	20	38	-
430 ~ 440MHz	dB	30	41	-
440 ~ 800MHz	dB	50	59	-
800 ~ 1000MHz	dB	45	56	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

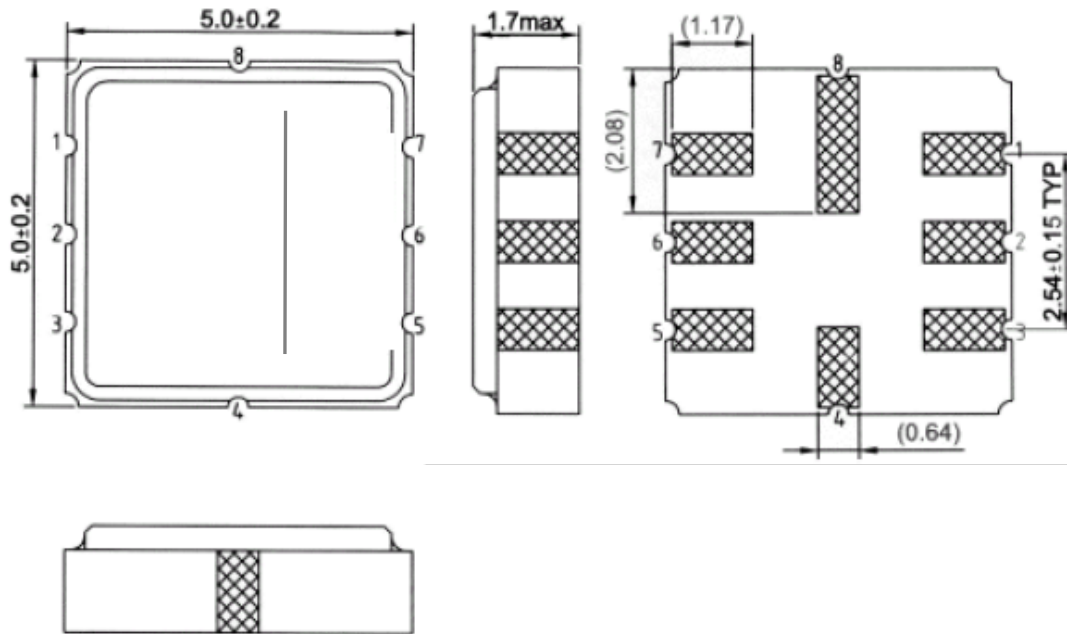
**C. MEASUREMENT CIRCUIT:**



**SAW Filter 413.0MHz**  
**Part No: MP04963**

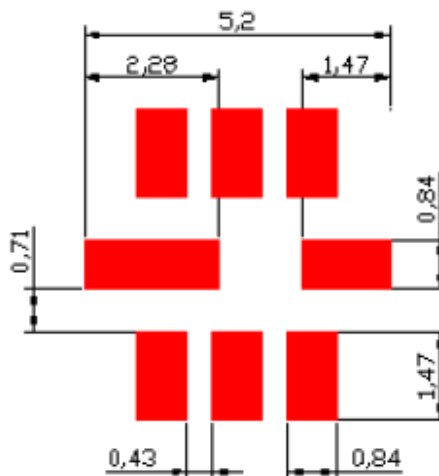
**Model: TA1614A**  
**Rev. No:1**

**D. OUTLINE DRAWING:**



- #2 : Input**
- #6 : Output**
- #4 、 8 : Case Ground**
- #1 、 3 、 5 、 7 : Ground**

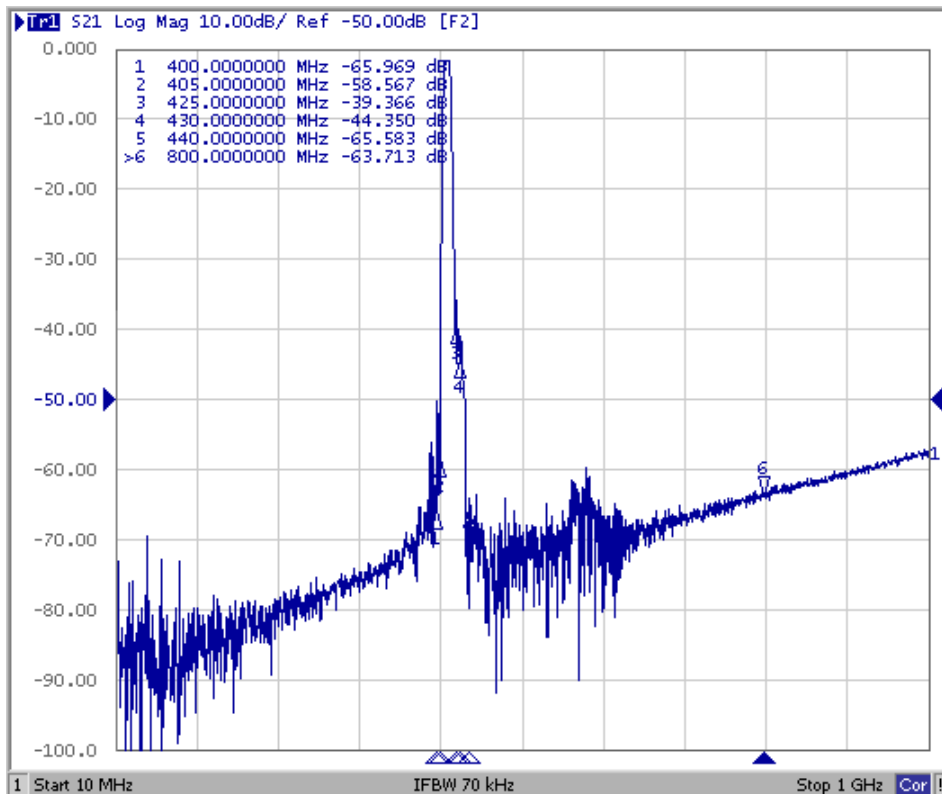
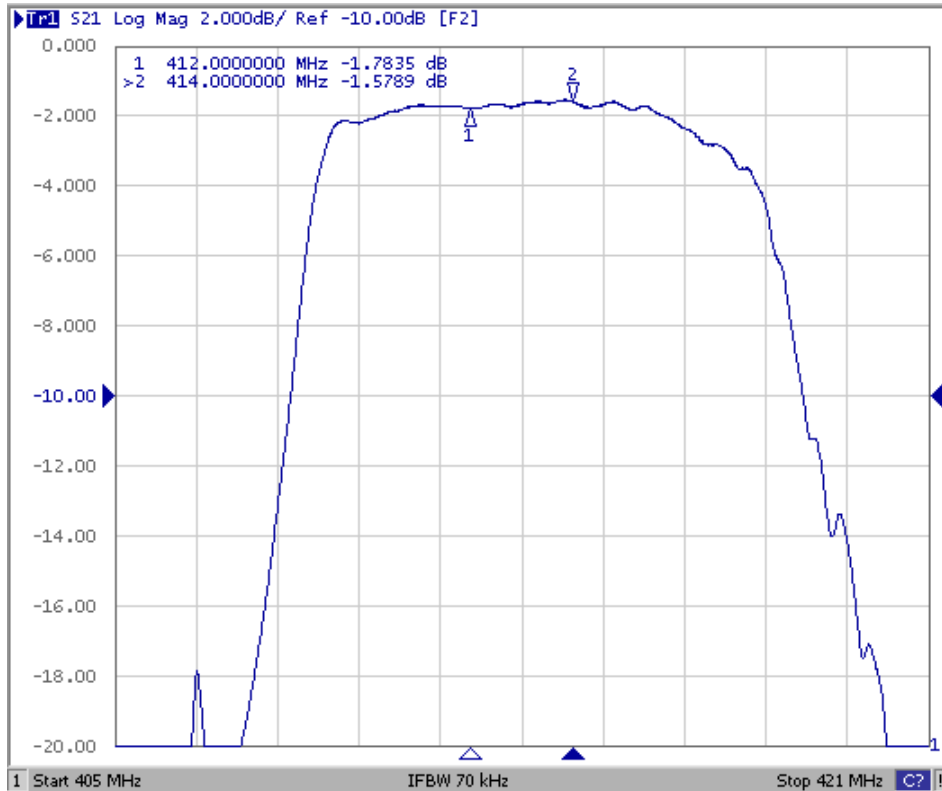
**E. PCB FOOTPRINT:**



**SAW Filter 413.0MHz**  
**Part No: MP04963**

**Model: TA1614A**  
**Rev. No:1**

**F. FREQUENCY CHARACTERISTICS:**

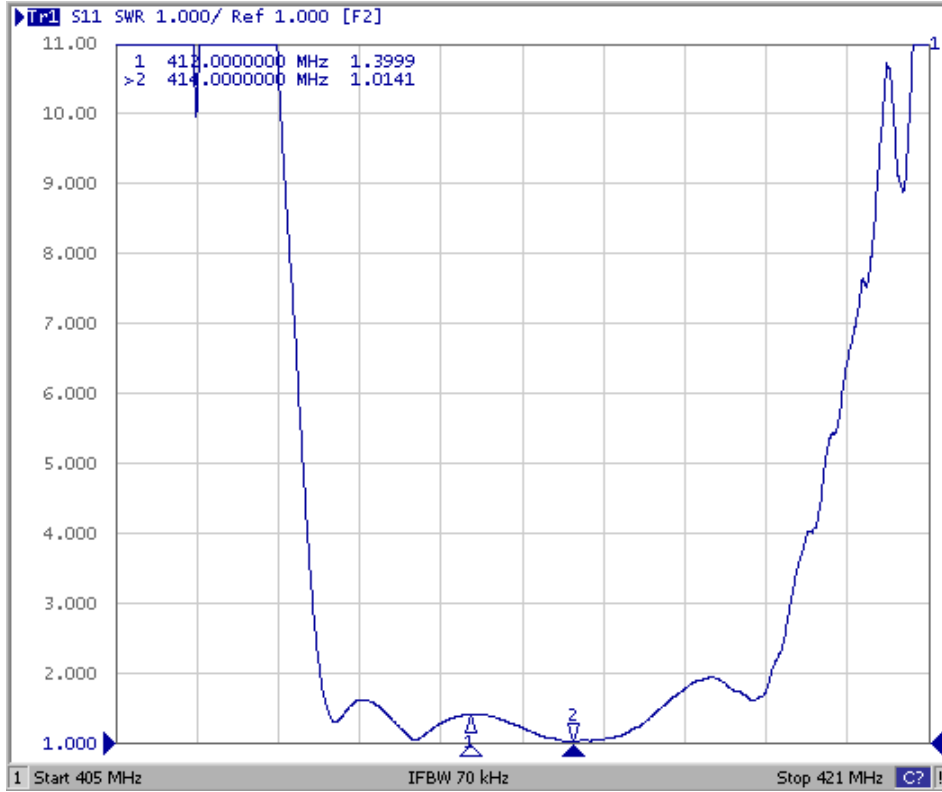


**SAW Filter 413.0MHz**  
**Part No: MP04963**

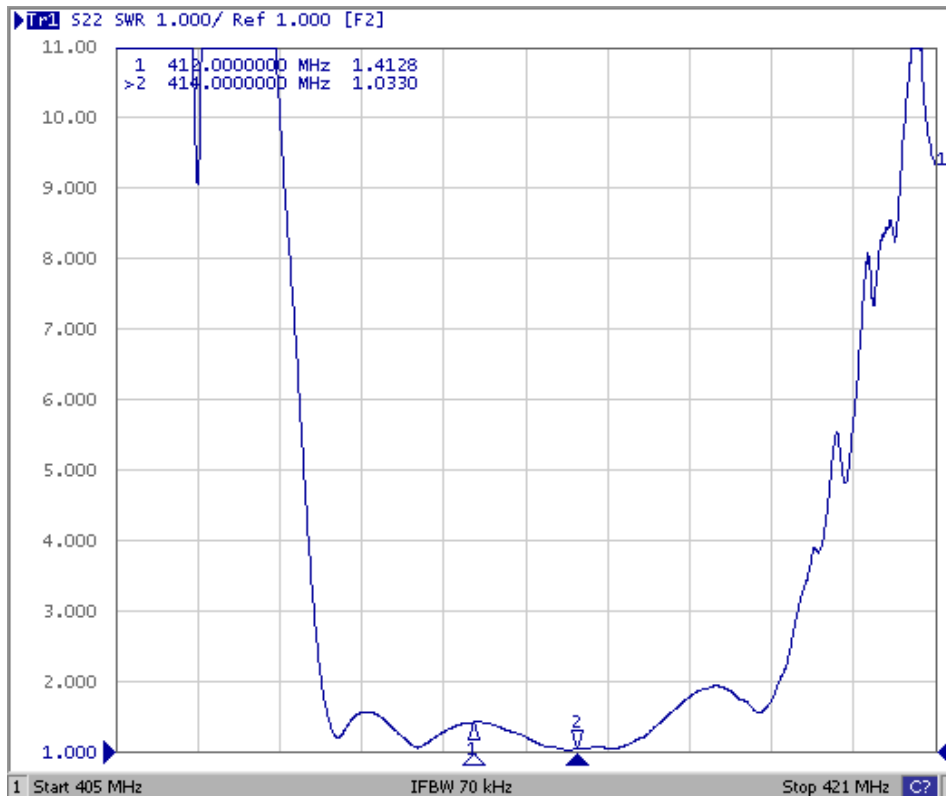
**Model: TA1614A**  
**Rev. No:1**

Reflection Functions

S11



S22





**SAW Filter 413.0MHz**  
**Part No: MP04963**

**Model: TA1614A**  
**Rev. No:1**

**H. RECOMMENDED REFLOW PROFILE:**

