

**SAW Filter 423.75MHz**

**Model: TA1613A**

**Part No: MP04964**

**Rev. No:1**

**A. MAXIMUM RATING:**

**Electrostatic Sensitive Device (ESD)**

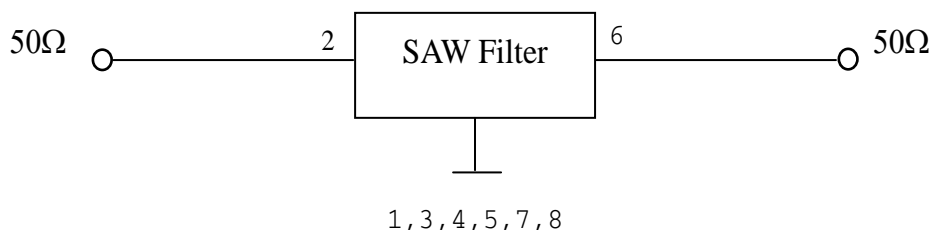
1. Input Power Level: 15dBm
2. DC Voltage: 0V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	423.75	-
Insertion Loss (421.5 ~ 426MHz) IL	dB	-	2.0	3.5
Amplitude Ripple (421.5~426MHz)	dB	-	0.4	2.2
VSWR (421.5 ~ 426MHz)	-	-	1.4	2.2
Group delay ripple (421.5 ~ 426MHz)	ns	-	55	220
Attenuation (Reference level from 0 dB)				
0.3 ~ 410MHz	dB	45	60	-
411.5 ~ 416MHz	dB	15	50	-
450 ~ 480MHz	dB	45	63	-
480 ~ 1000MHz	dB	40	56	-
1000 ~ 2000MHz	dB	23	27	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

**C. MEASUREMENT CIRCUIT:**

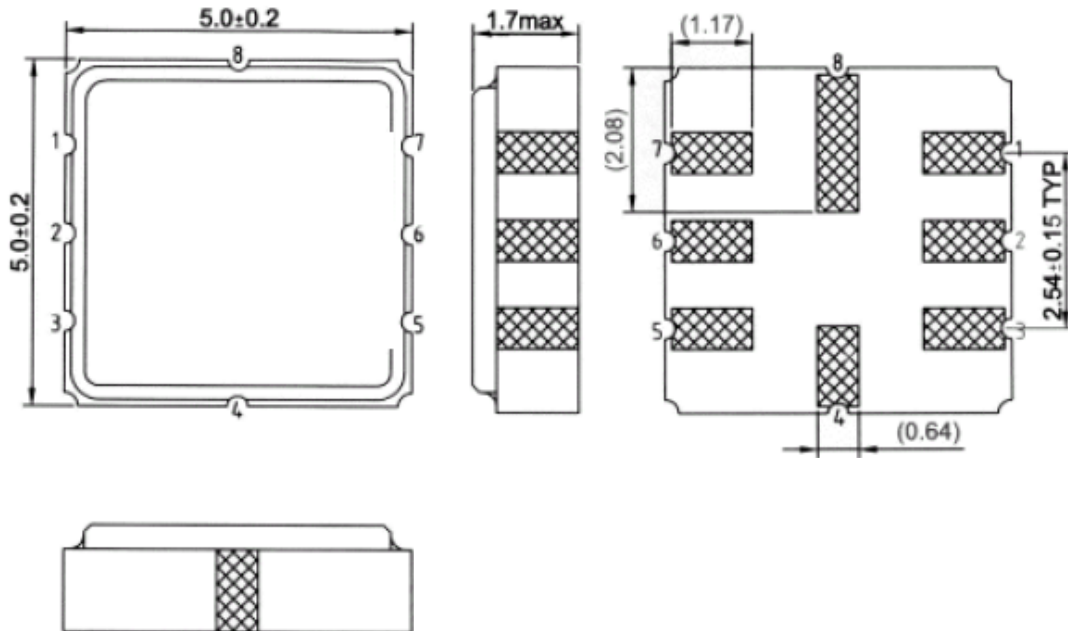
HP Network analyzer



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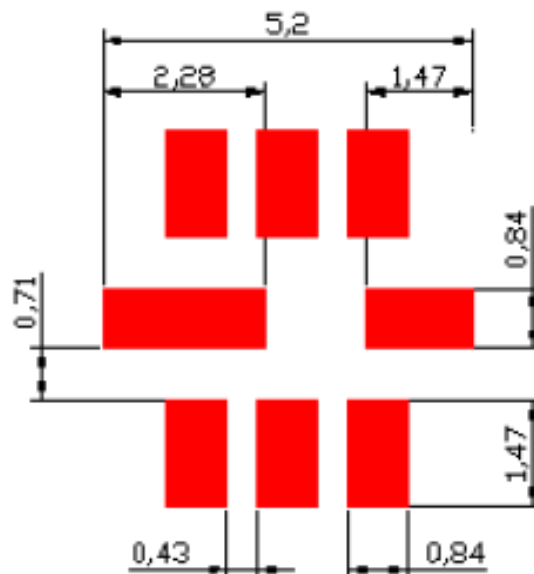
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**D. OUTLINE DRAWING:**



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

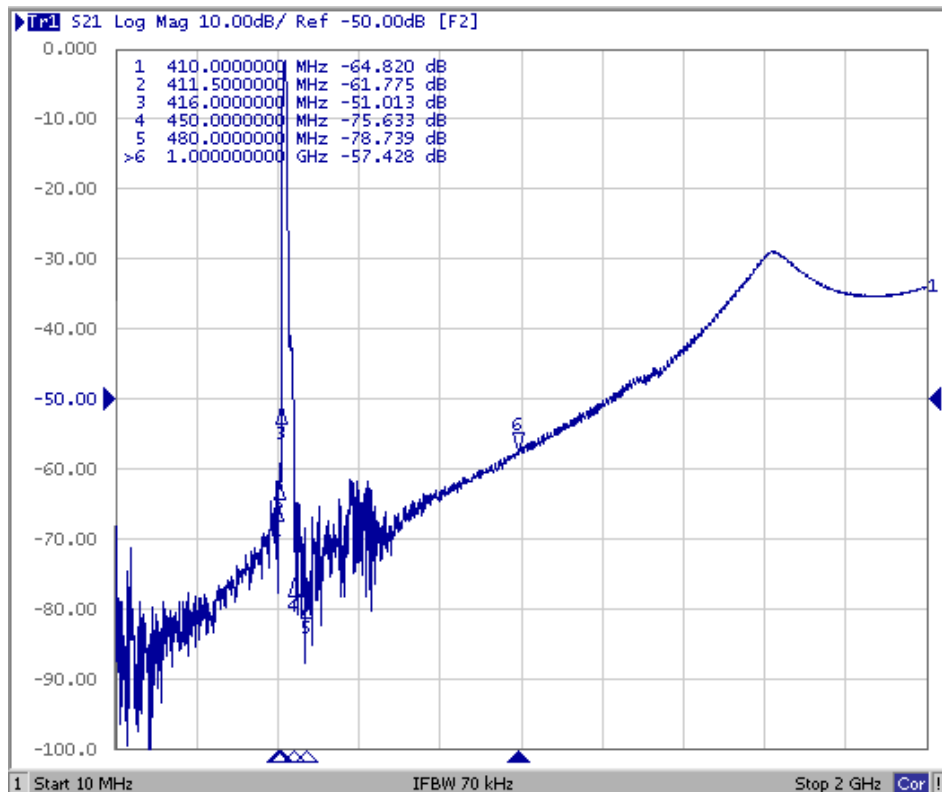
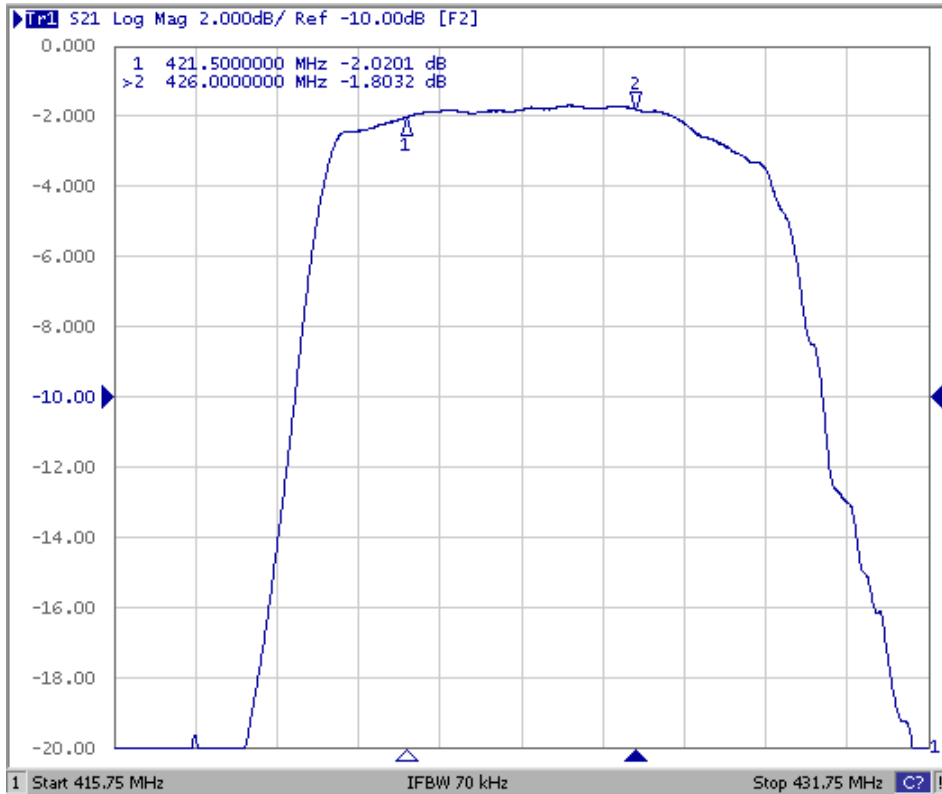
**E. PCB FOOTPRINT:**



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**F. FREQUENCY CHARACTERISTICS:**

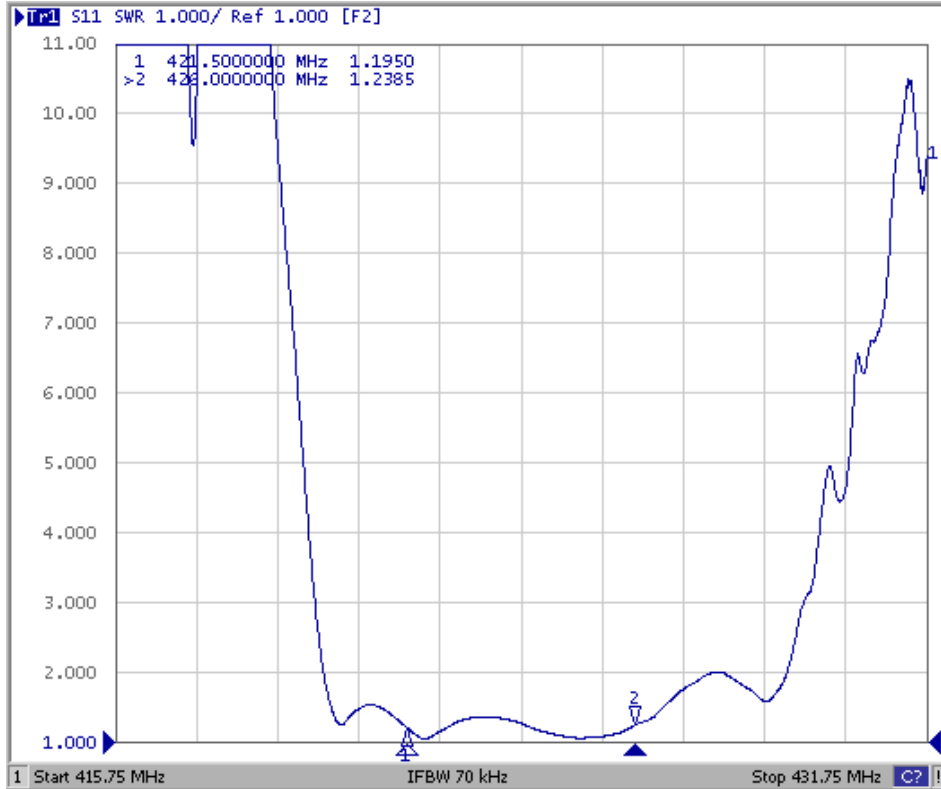


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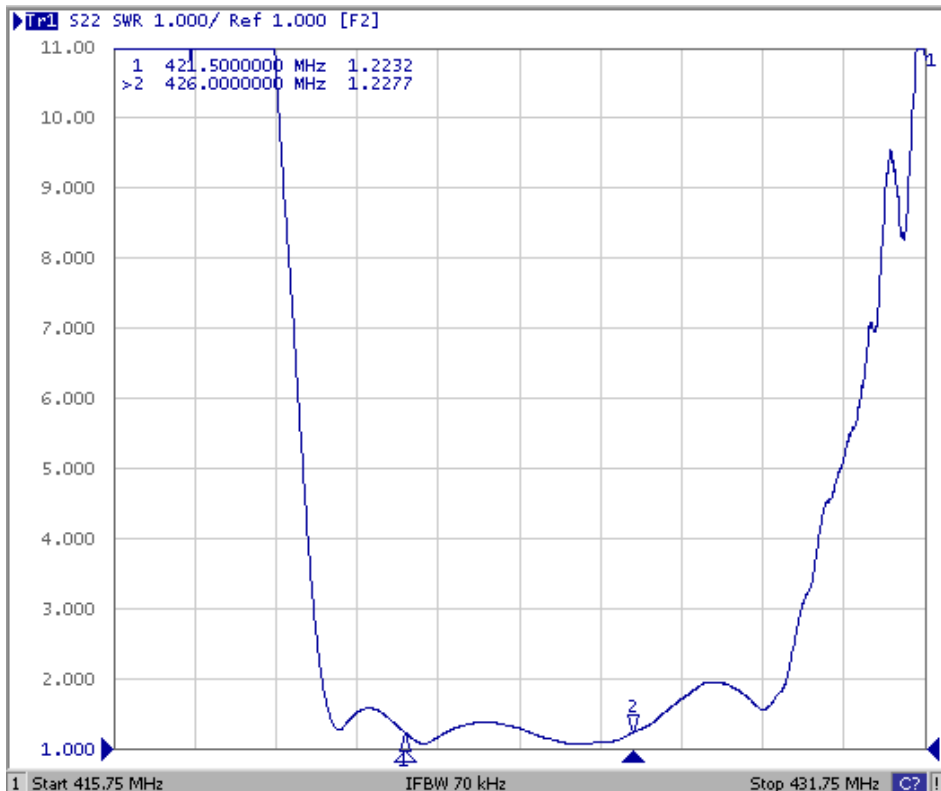
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Reflection Functions

S11



S22



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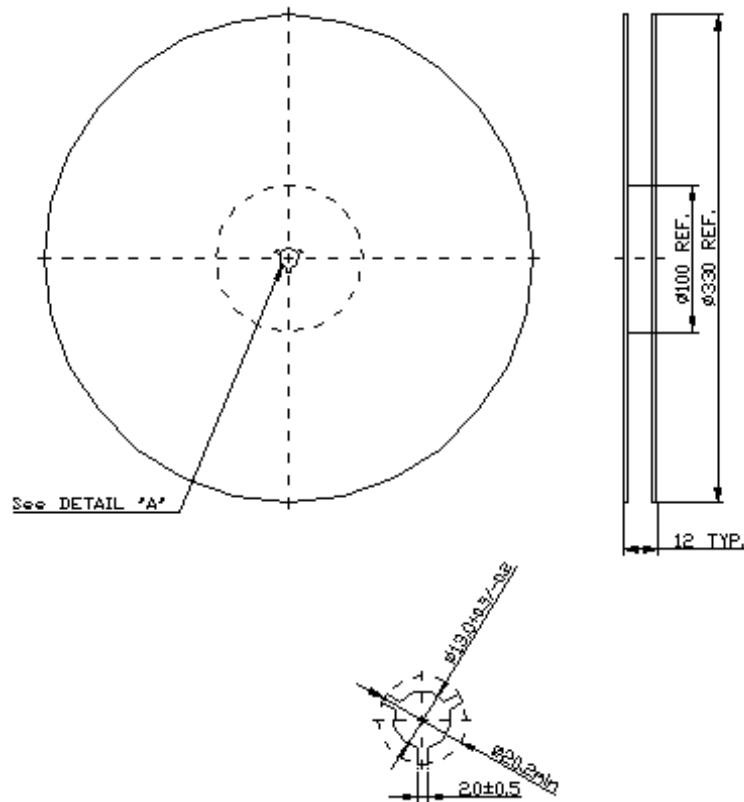
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**G. PACKING:**

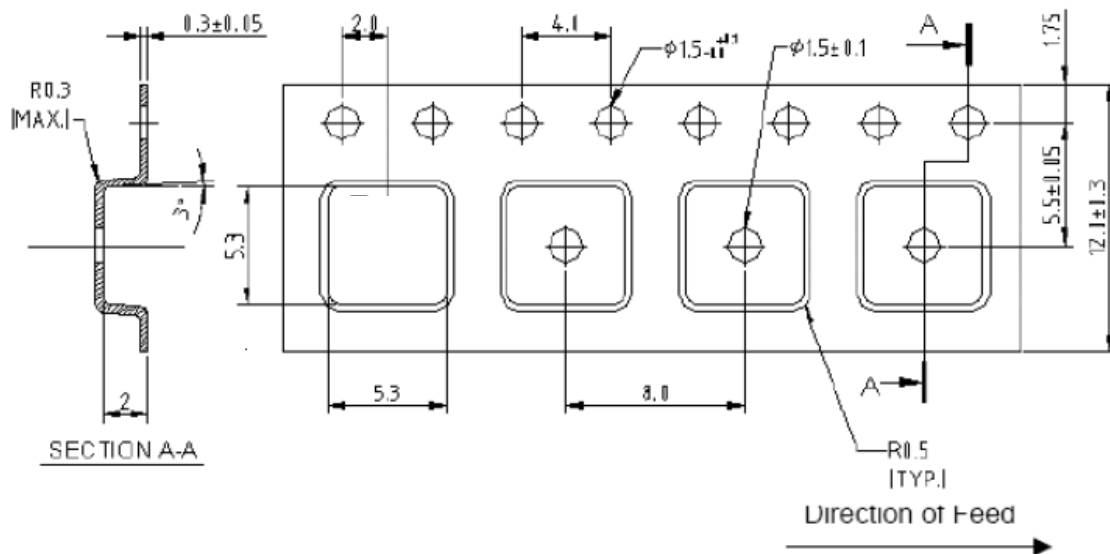
1. Reel Dimension

(Please refer to FR-75D10 for packing quantity)

(Reel Count: 7" = 1000; 13" = 3000)



2. Tape Dimension



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**H. RECOMMENDED REFLOW PROFILE:**

