

**SAW Filter 915.0MHz**  
**Part No: MP04309**

**Model: TA1042A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

1. Input Power Level: 24dBm
2. DC voltage: 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

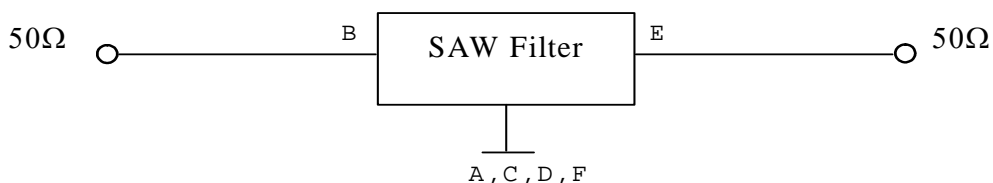
**B. ELECTRICAL CHARACTERISTICS:**

Item	Min.	Typ.	Max.
Center frequency Fc MHz	-	915	-
Insertion loss 902 ~ 928MHz IL (dB)	-	2.2	3.5
Amplitude ripple 902 ~ 928MHz (dB)	-	0.6	2.0
VSWR 902 ~ 928MHz	-	1.6	2.3
Attenuation (Reference level from 0dB)			
D.C. ~ 800MHz (dB)	50	63	-
800 ~ 880MHz (dB)	40	48	-
960 ~ 1080MHz (dB)	32	39	-
1080 ~ 1500MHz (dB)	45	65	-
1500 ~ 3000MHz (dB)	22	28	-
Source impedance Z <sub>S</sub> (Ω)	-	50	-
Load impedance Z <sub>L</sub> (Ω)	-	50	-

Note: No matching network required for operation at 50Ω

**C. MEASUREMENT CIRCUIT:**

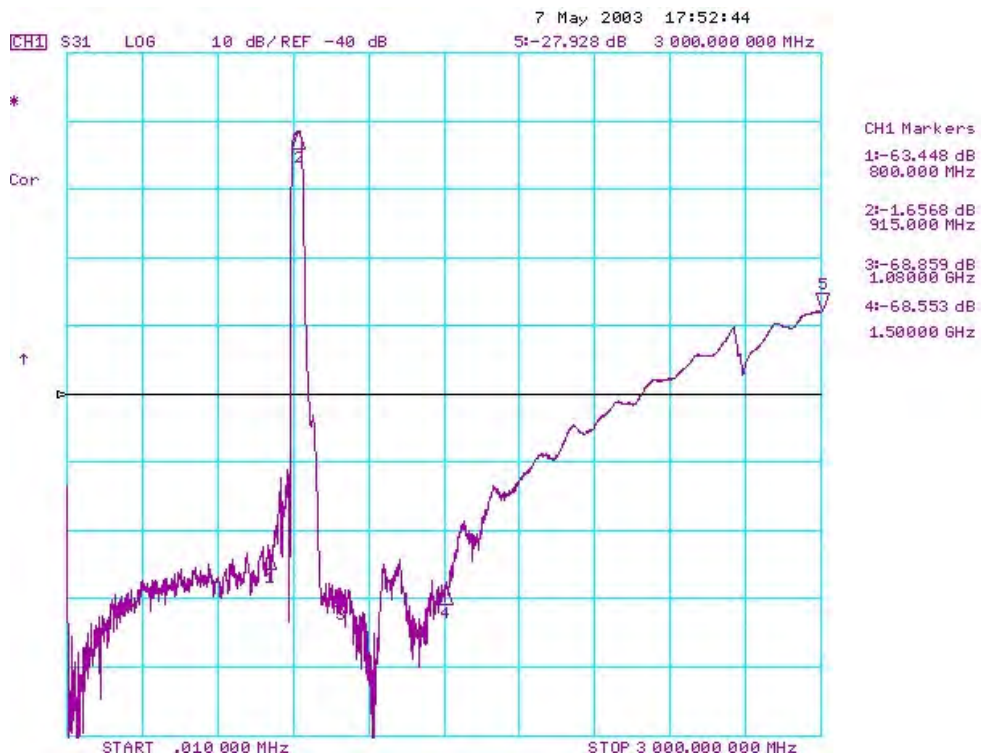
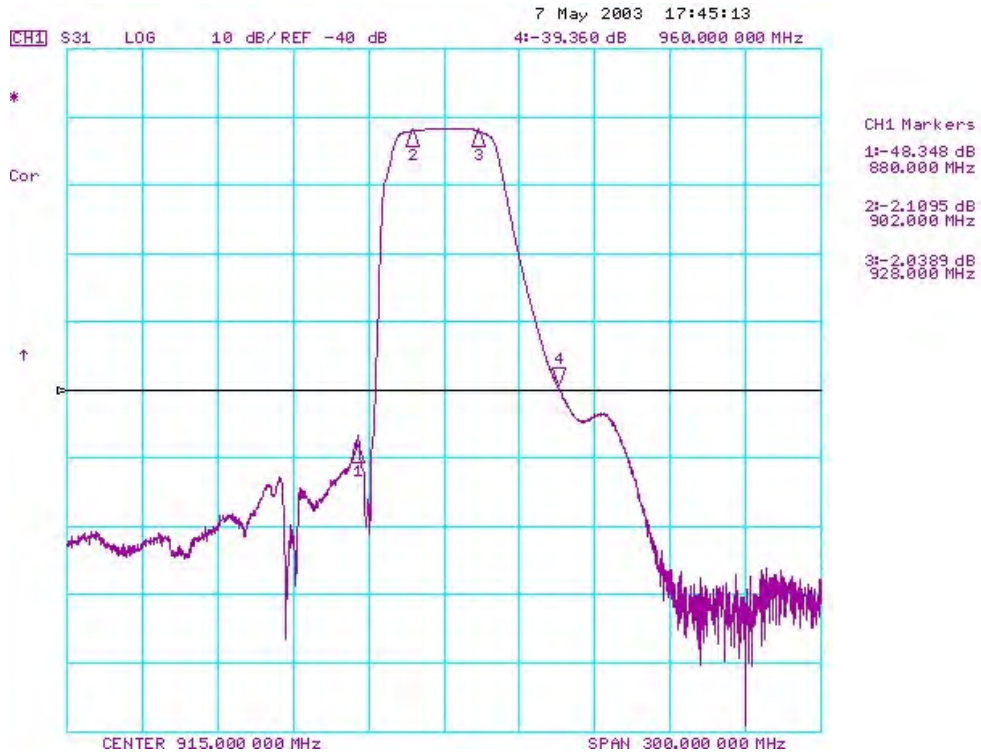
HP Network analyzer



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**D. FREQUENCY CHARACTERISTICS:**

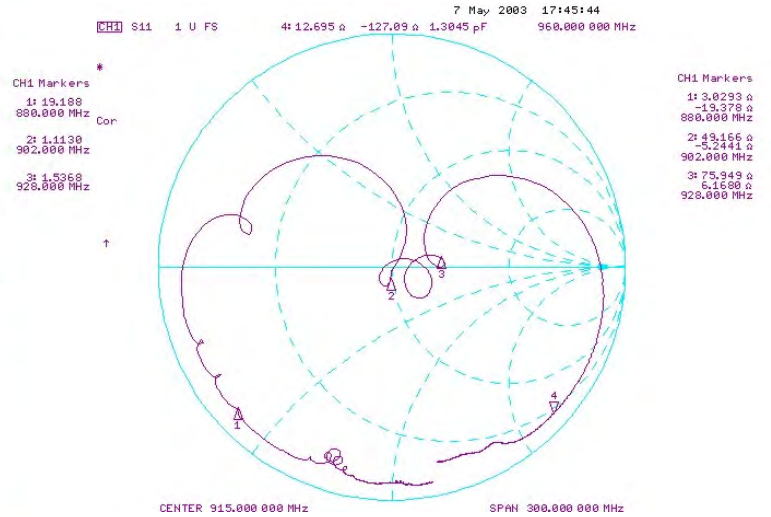
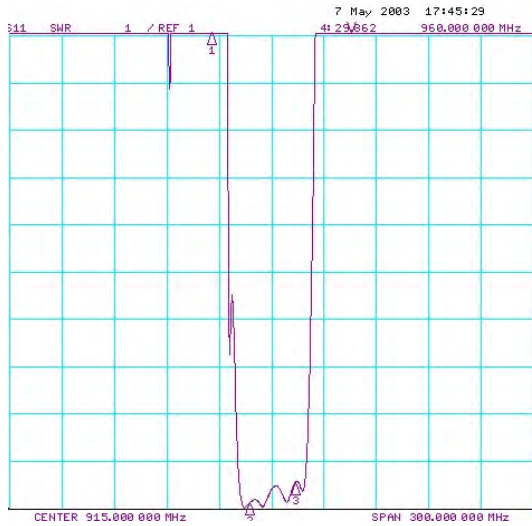


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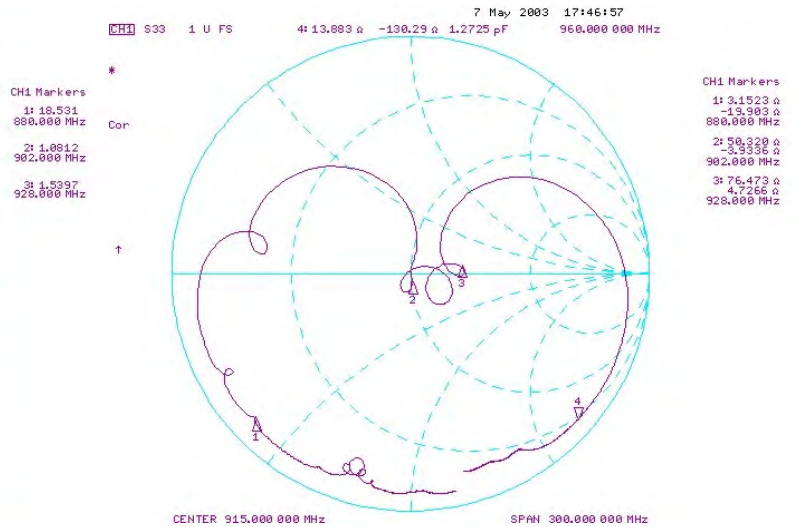
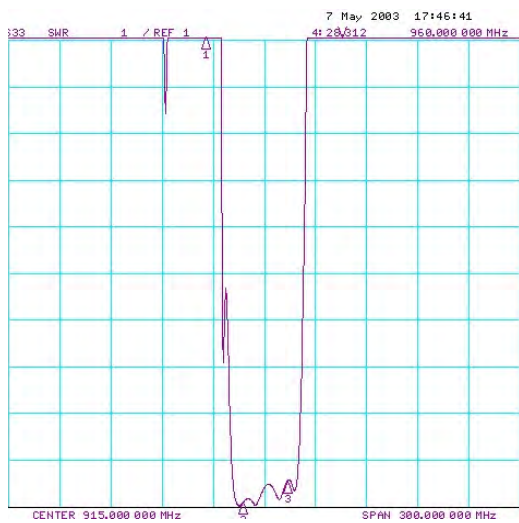
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Reflections Functions

S11



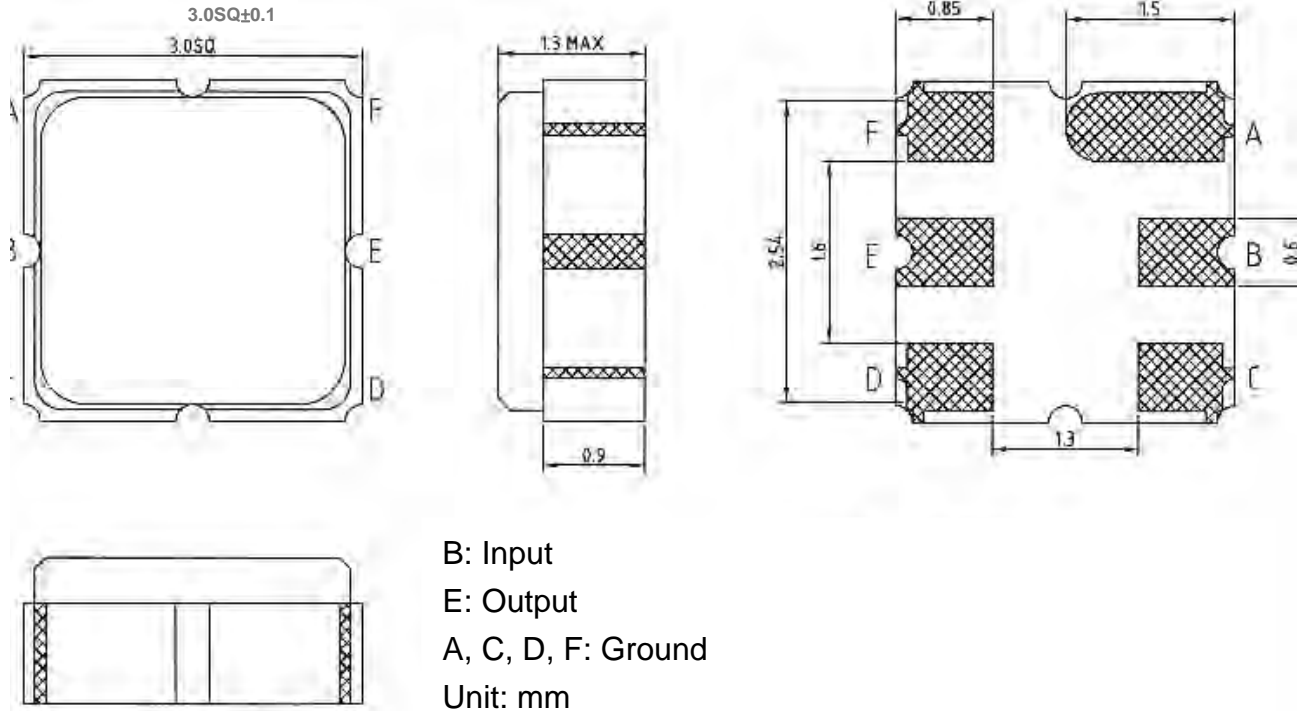
S22



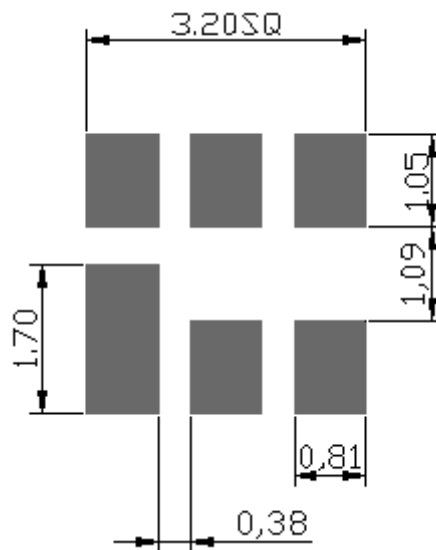
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**E. OUTLINE DRAWING:**



**F. PCB FOOTPRINT:**



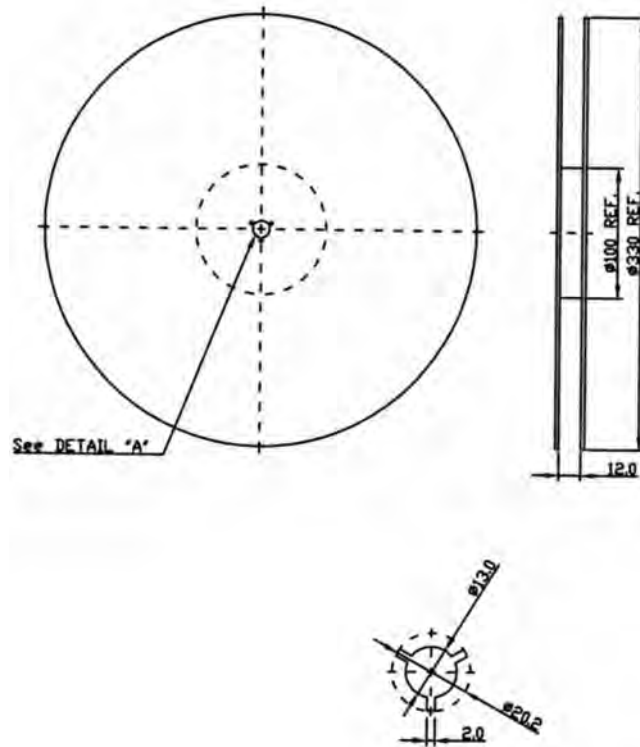
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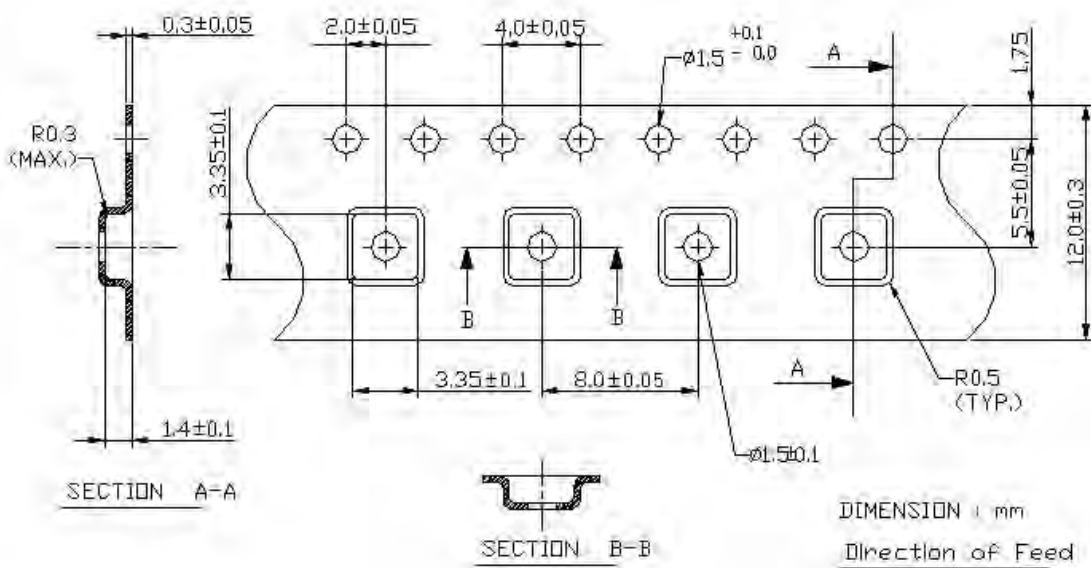
**G. PACKING:**

1. Reel Dimension

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



2. Tape Dimension



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**H. RECOMMENDED REFLOW PROFILE:**

