

**SAW Filter 1572.50MHz**  
**Part No: MP03760**

**Model: TA1166A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

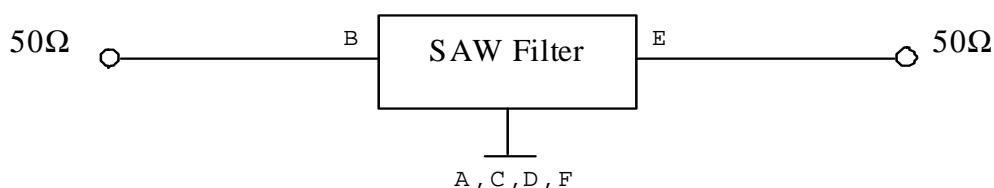
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -30°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	1572.5	-
Insertion Loss within 1557.5 ~ 1587.5MHz IL	dB	-	1.85	3.0
Amplitude ripple within 1557.5 ~ 1587.5MHz	dB	-	0.4	2.0
Attenuation (Reference level from 0dB)				
1467 ~ 1519MHz	dB	35	38.3	-
1519 ~ 1527MHz		20	38.3	
1617 ~ 1677MHz	dB	37	45.0	-
Source impedance Z <sub>S</sub>	Ω	-	50	-
Load impedance Z <sub>L</sub>	Ω	-	50	-

**C. MEASUREMENT CIRCUIT:**

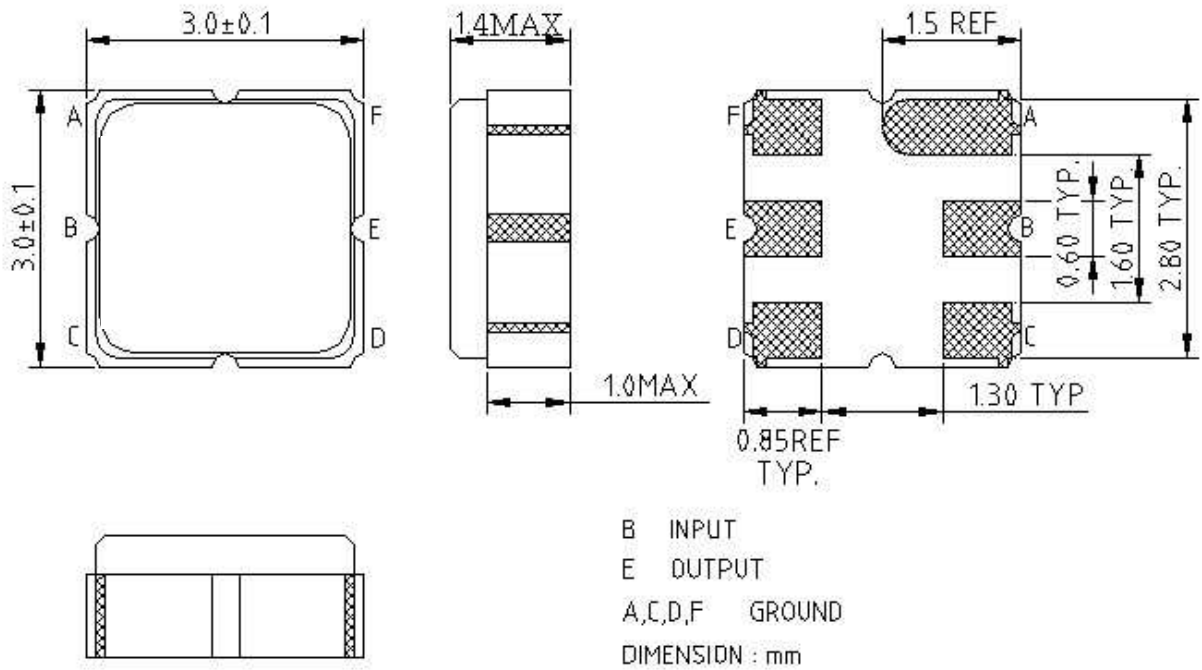
HP Network analyzer



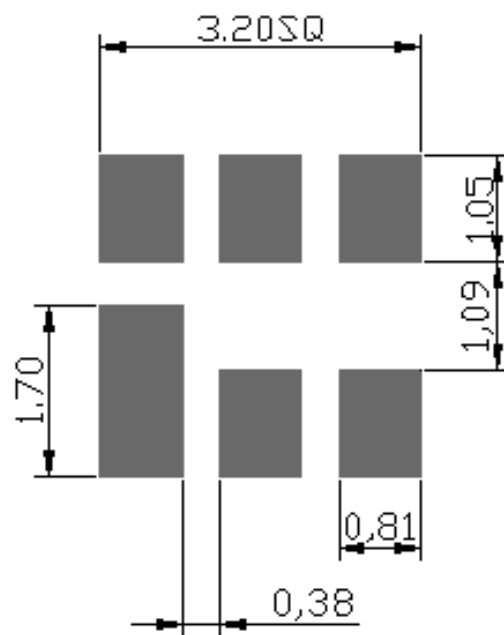
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**D. OUTLINE DRAWING:**



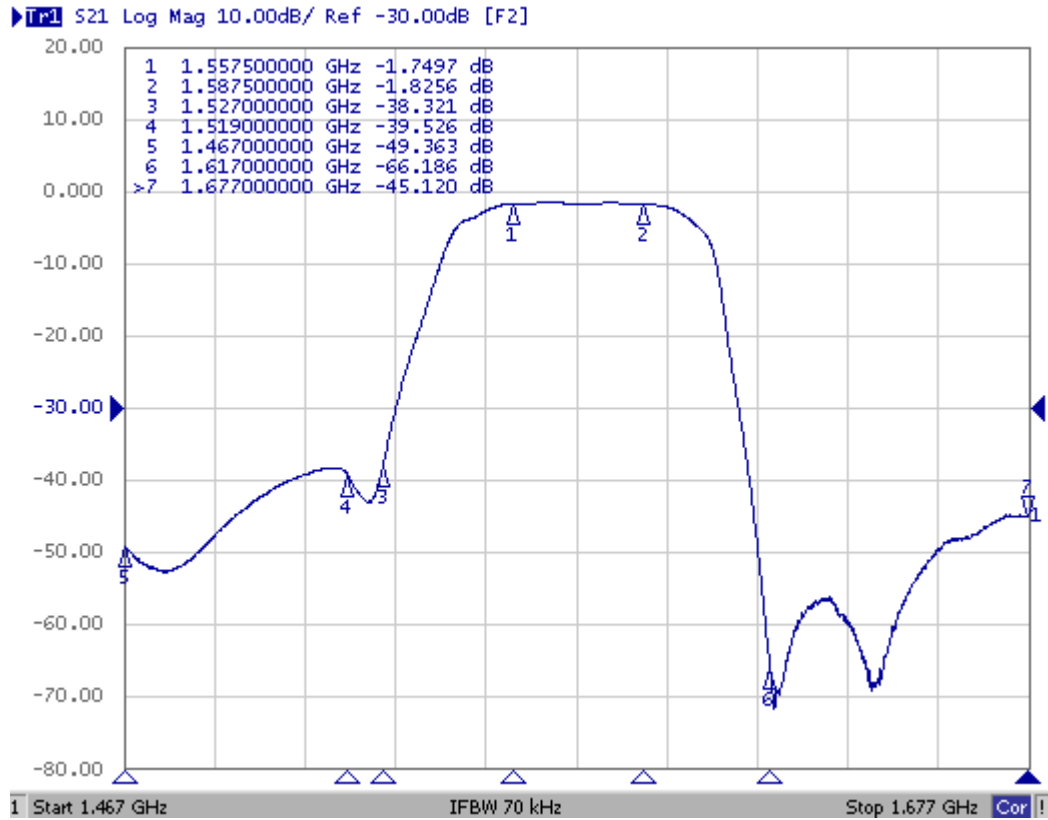
**E. PCB FOOTPRINT:**



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**F. FREQUENCY CHARACTERISTICS: (Simulations)**

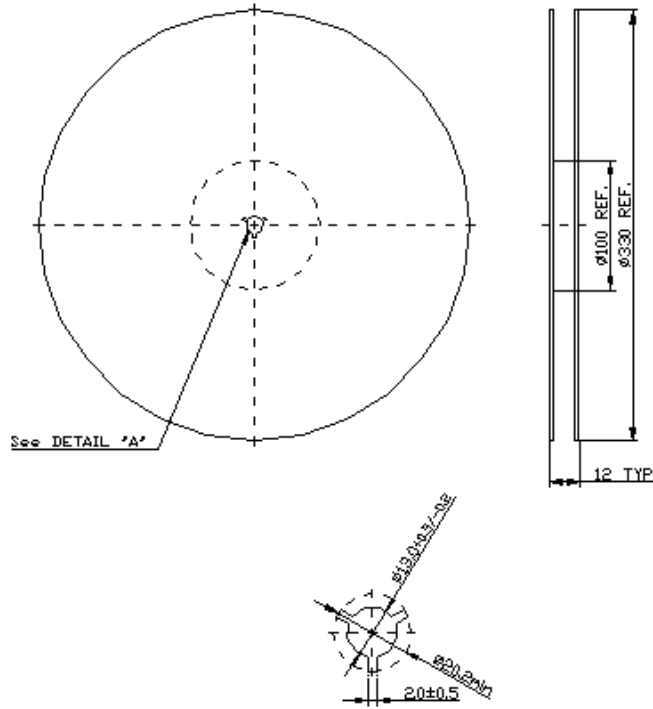


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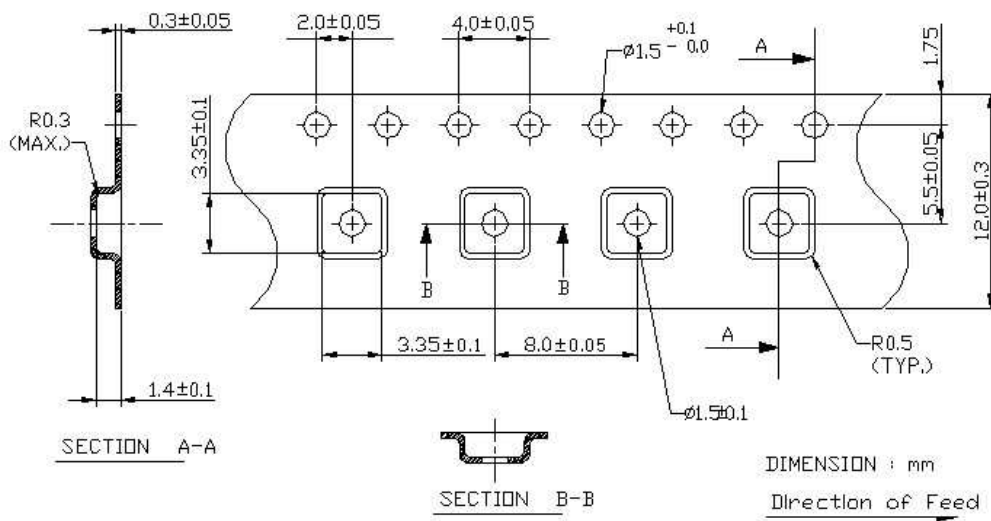
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**G. PACKING:**

**1. REEL DIMENSION**



**2. TAPE DIMENSION**



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**H. RECOMMENDED REFLOW PROFILE:**

