

**1575.0MHz SAW Filter**

**Model: TA1575BB**

**Part No: MA09033**

**REV NO.: 1**

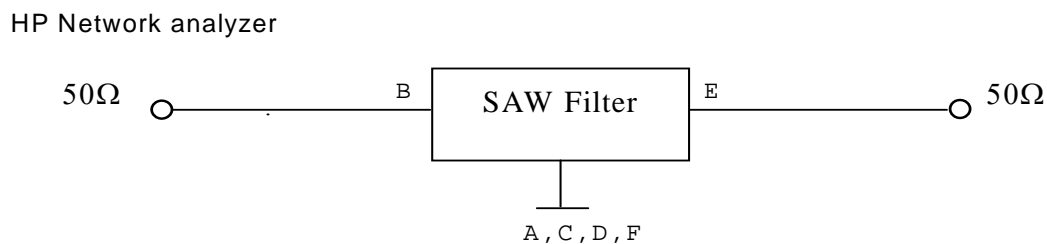
**A. MAXIMUM RATING:**

1. Input Power Level: 20 dBm
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.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1575	-	-
Insertion Loss (1565 ~ 1585 MHz) IL	dB	-	1.45	2.8	-
Amplitude Ripple (1565 ~ 1585 MHz)	dB	-	0.3	2	-
VSWR (1565 ~ 1585 MHz)		-	1.2	2	-
Relative Attenuation (relative to 0 dB)					
D.C. ~ 600 MHz	dB	30	36.7	-	-
600 ~ 1500 MHz	dB	27	34	-	-
1500 ~ 1525 MHz	dB	20	40	-	-
1625 ~ 1675 MHz	dB	20	42	-	-
1675 ~ 3000 MHz	dB	30	36.8	-	-

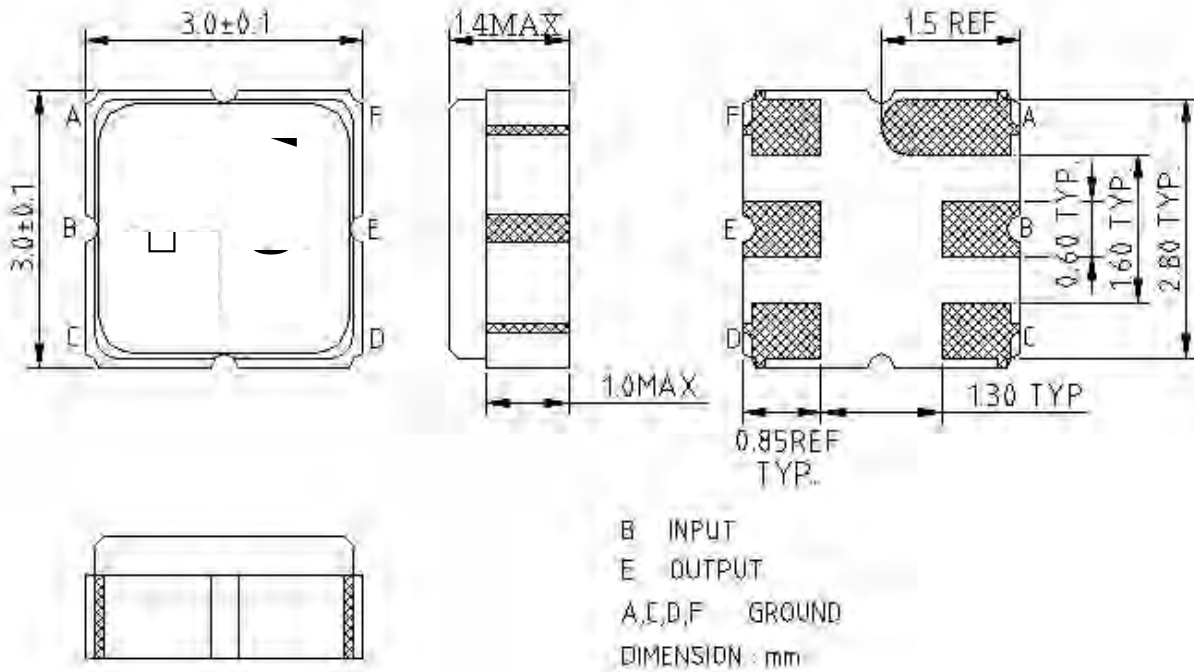
**C. MEASUREMENT CIRCUIT:**



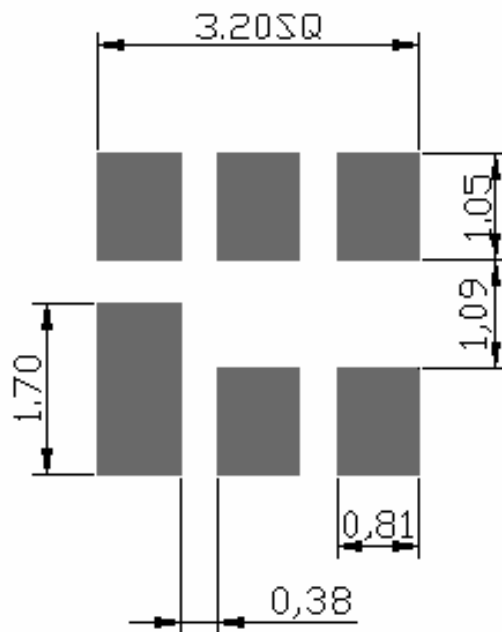
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**D. OUTLINE DRAWING:**



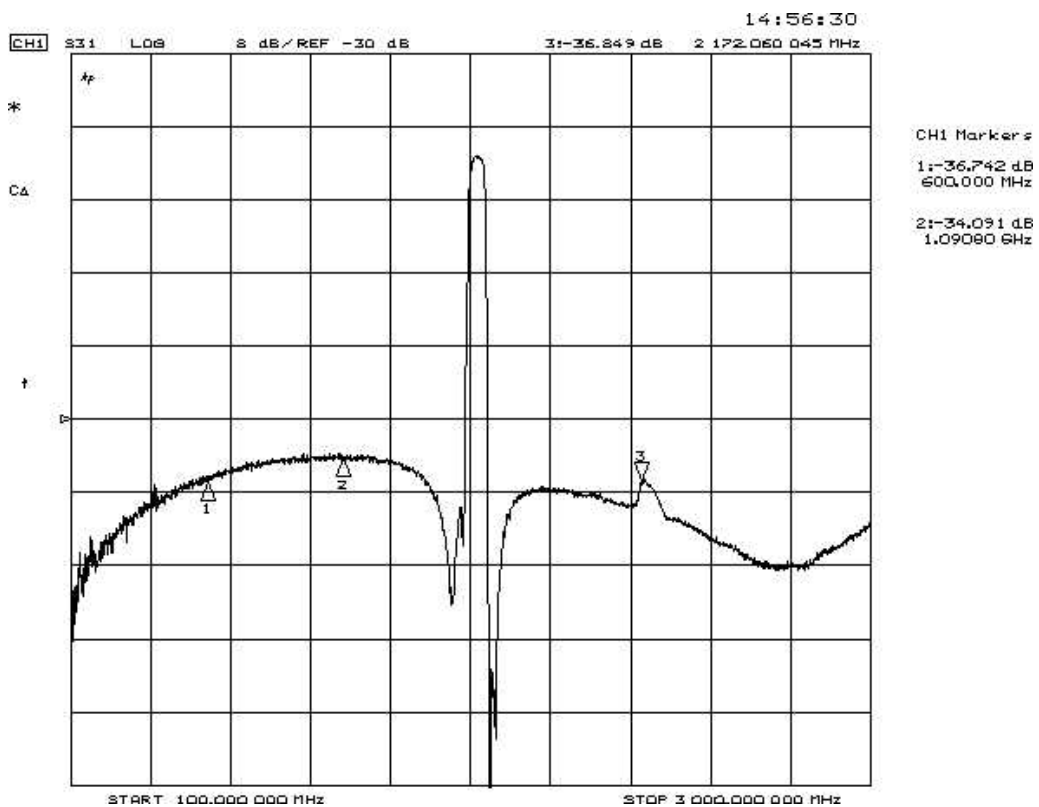
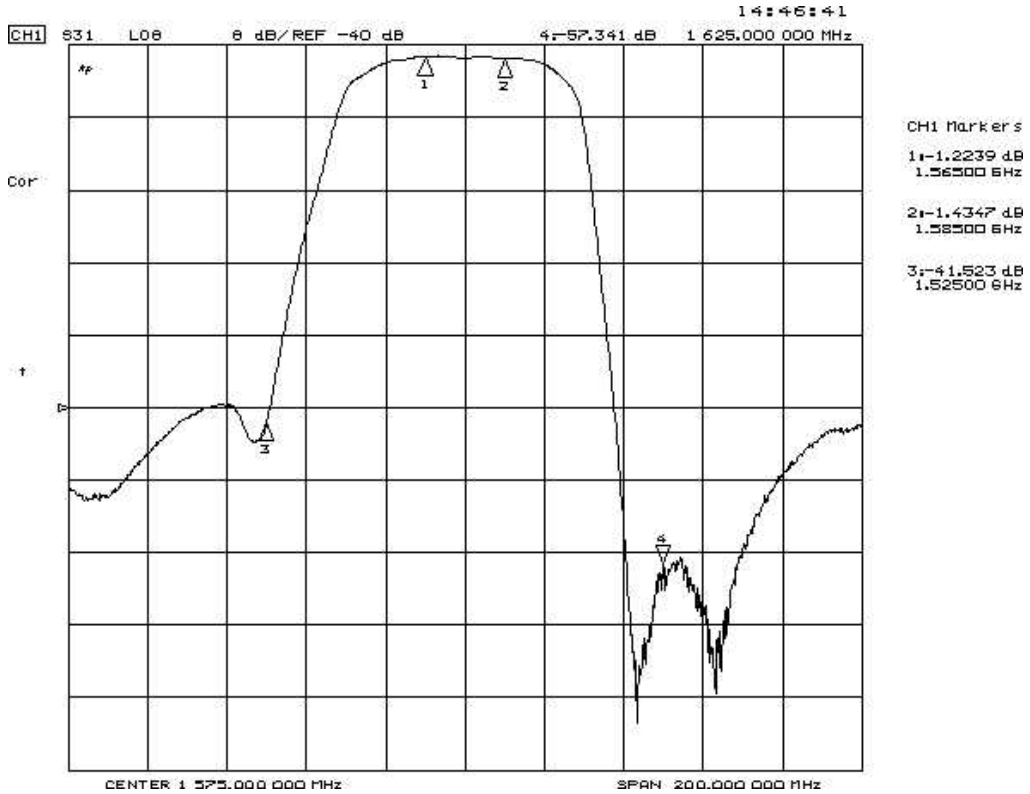
**E. PCB FOOTPRINT:**



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**F. FREQUENCY CHARACTERISTICS:**

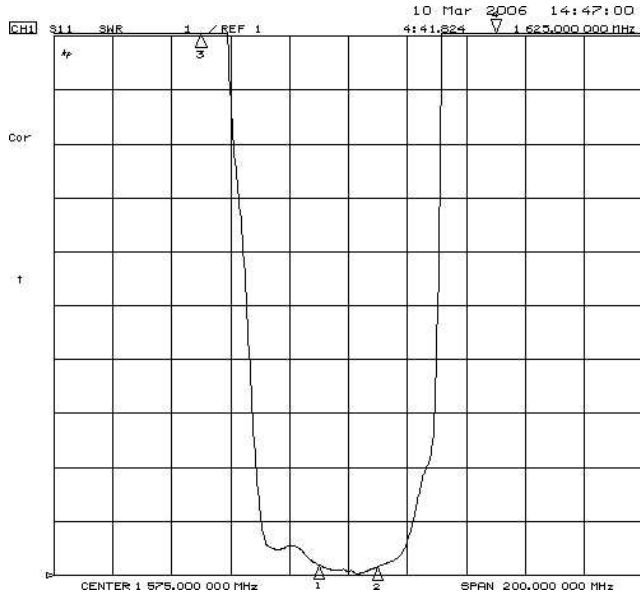


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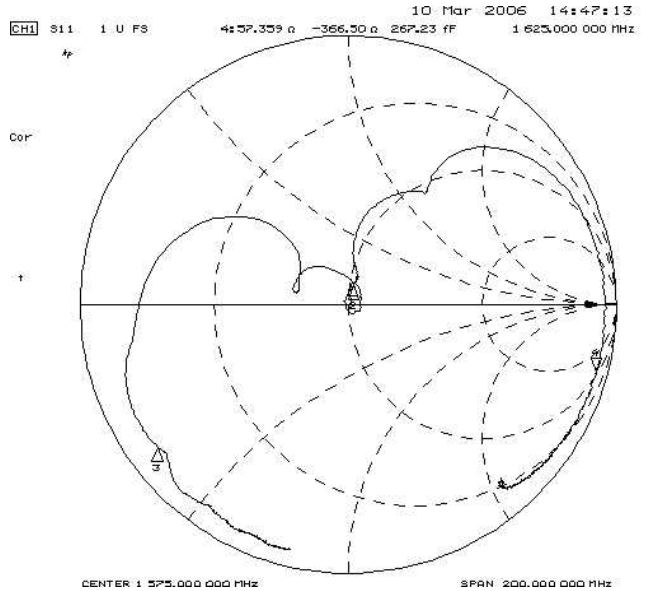
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**Reflections Functions:**

**S11 VSWR**

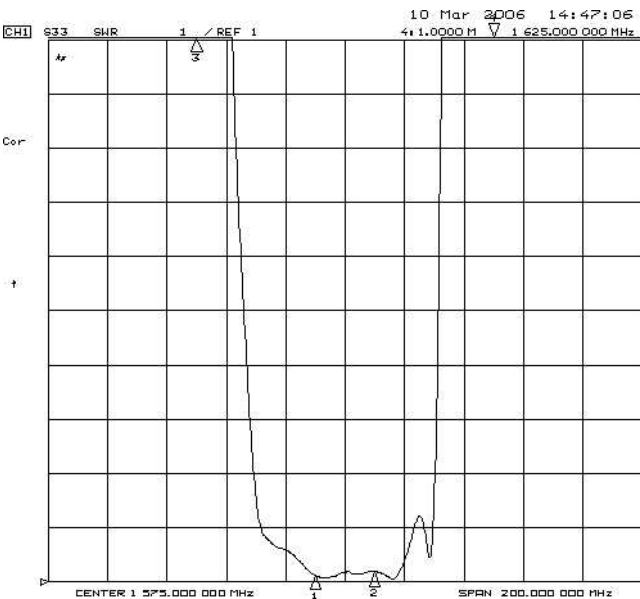


CHI Markers  
 1: 1.1912  
 1.56500 GHz  
 2: 1.1647  
 1.56500 GHz  
 3: 1.1982  
 1.56500 GHz

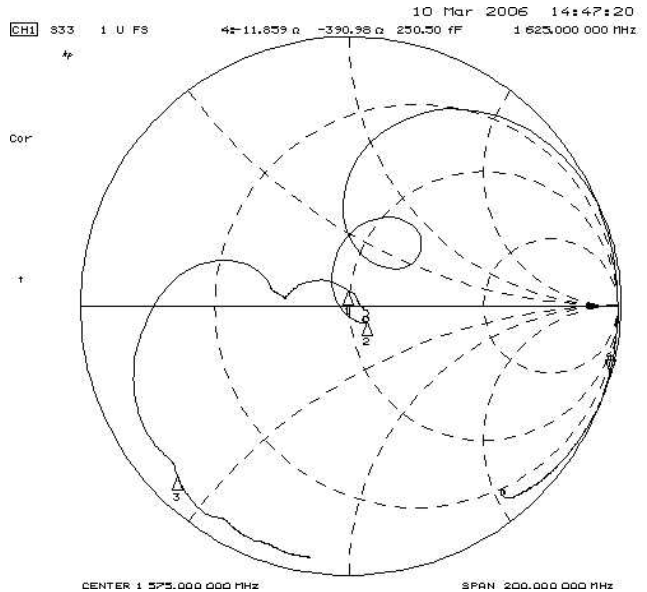


CHI Markers  
 1: 1.50696 a  
 2: 1.51525 a  
 3: 1.52871 a

**S22 VSWR**



CHI Markers  
 1: 1.1260  
 1.56500 GHz  
 2: 1.1904  
 1.56500 GHz  
 3: 1.1942  
 1.52500 GHz



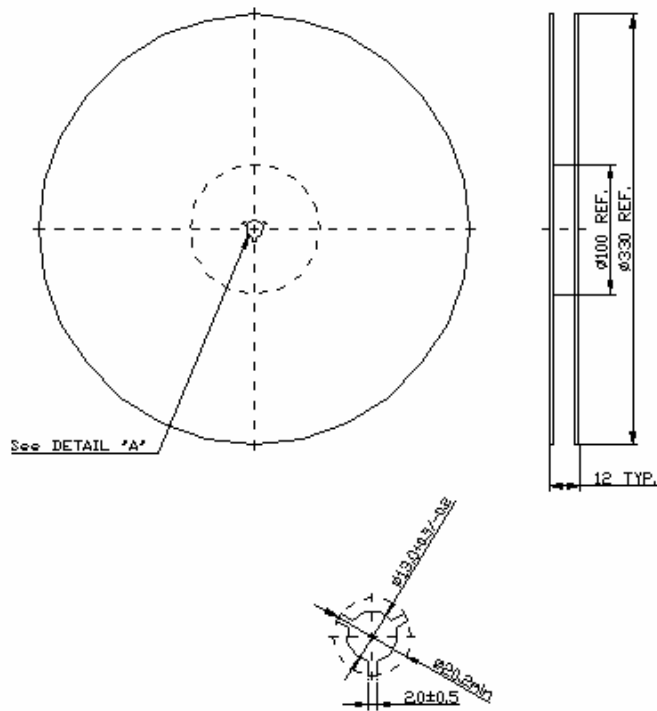
CHI Markers  
 1: 1.49349 a  
 2: 1.56783 a  
 3: 1.58869 a

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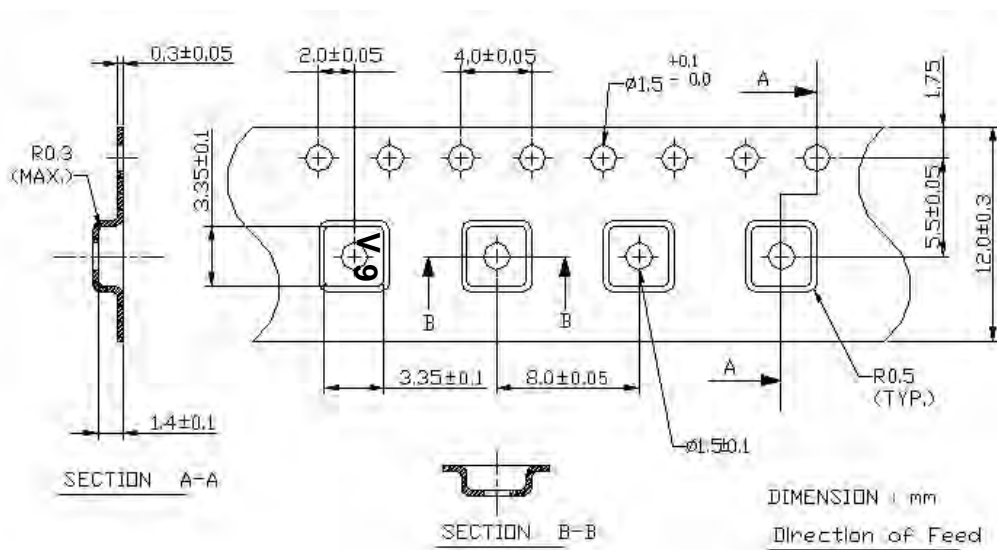
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**G. PACKING:**

**1. REEL DIMENSION**



**2. TAPE DIMENSION**



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**H. RECOMMENDED REFLOW PROFILE :**

