

**SAW Filter 1675.0MHz**

**Part No: MP09045**

**Rev No: 1**

**A. MAXIMUM RATING:**

**Electrostatic Sensitive Device (ESD)**

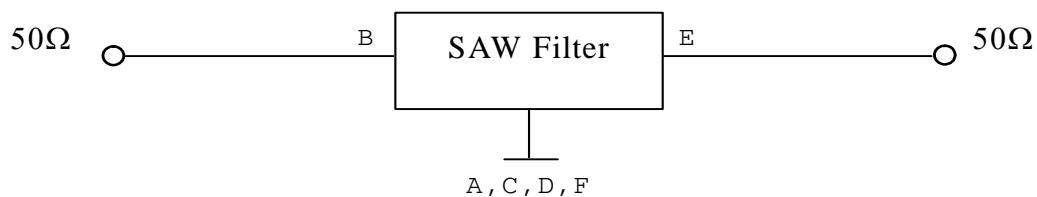
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	1675	-
Insertion loss (1625 ~ 1725MHz) IL	dB	-	3.7	4.2
Amplitude ripple (1625 ~ 1725MHz)	dB	-	1.0	1.8
VSWR (1625 ~ 1725MHz)	-	-	1.7	2.4
Attenuation (Reference level from 0dB)				
50 ~ 1250MHz	dB	25	30	-
1250 ~ 1540MHz	dB	20	31	-
1820 ~ 3000MHz	dB	25	32	-
Temperature coefficient of frequency	ppm/k	-	-80	-

**C. MEASUREMENT CIRCUIT:**

HP Network analyzer

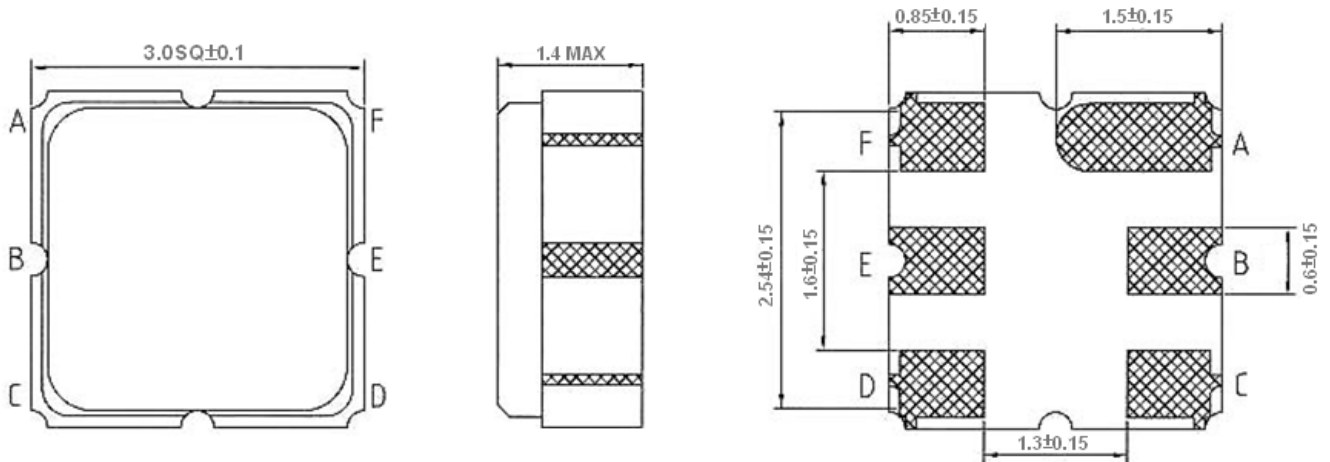


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**D. OUTLINE DRAWING:**



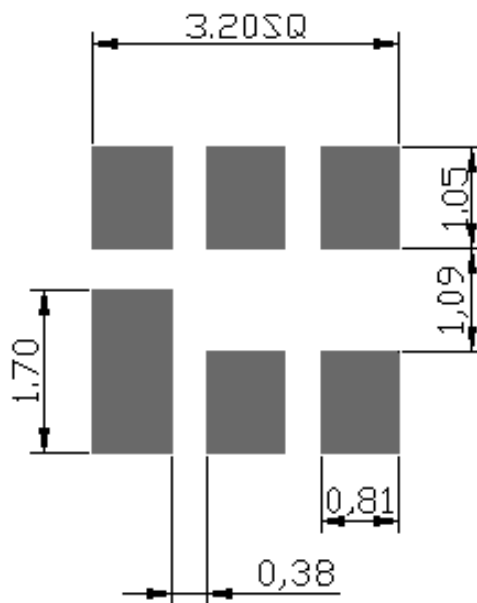
B: Input

E: Output

A, C, D, F: Ground

Unit: mm

**E. PCB FOOTPRINT:**

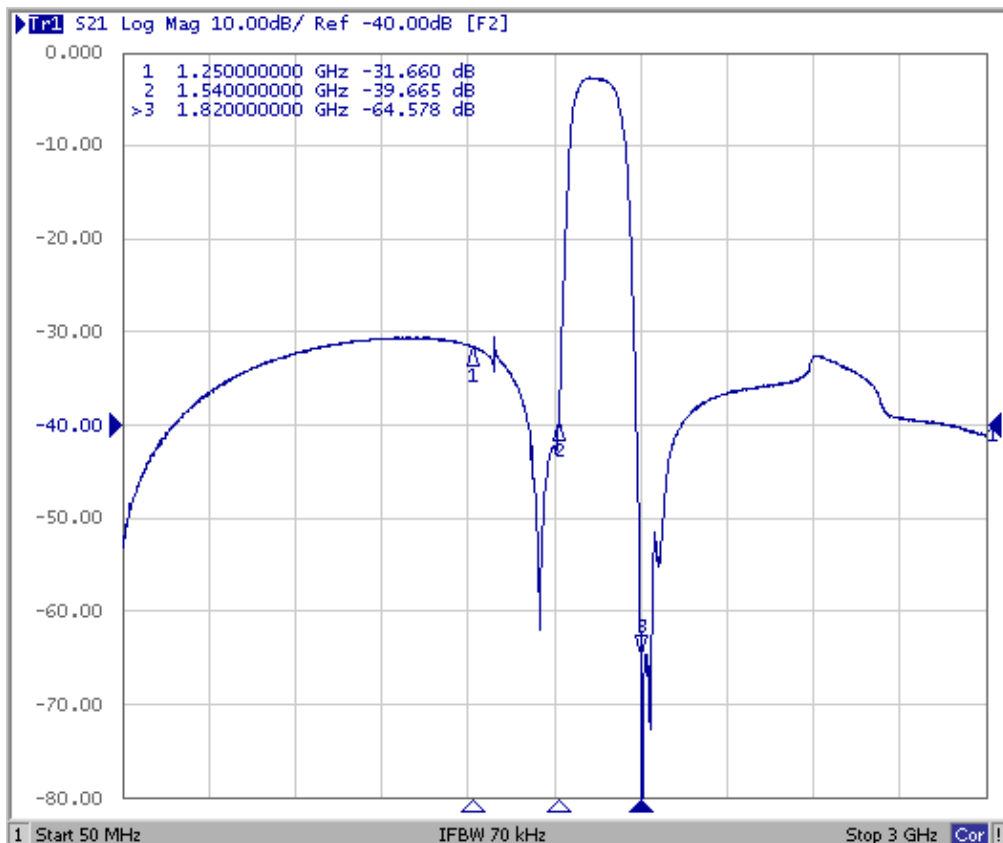
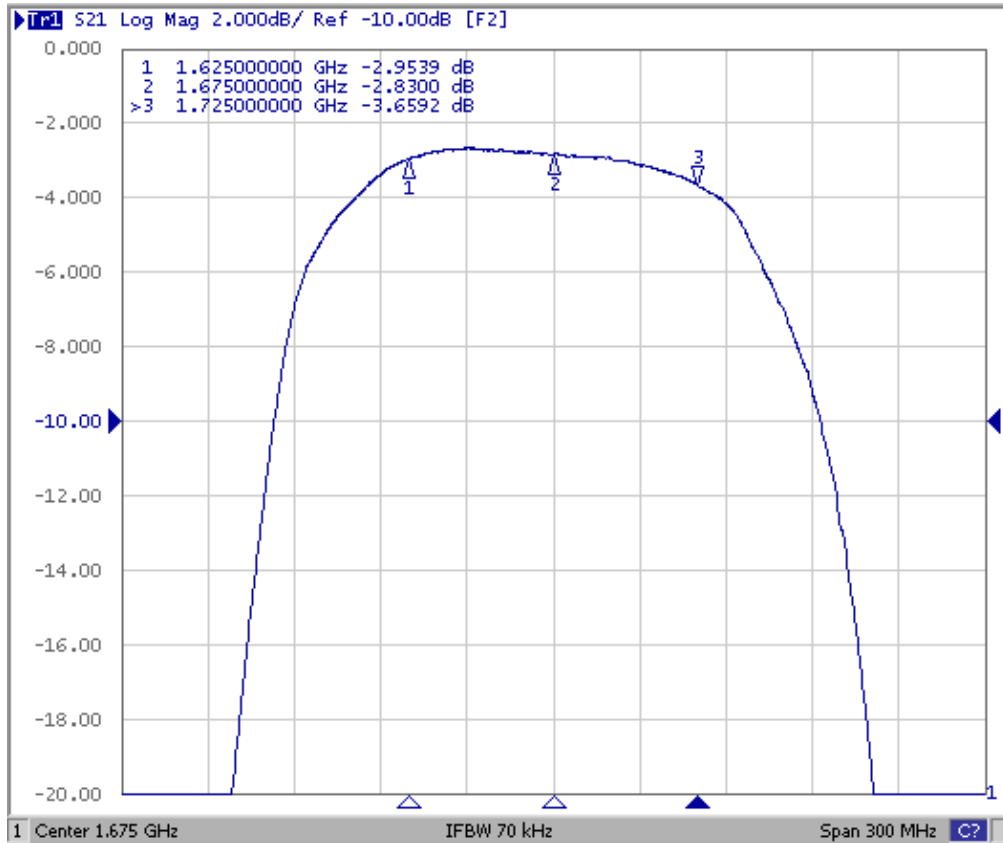


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**F. FREQUENCY CHARACTERISTICS:**



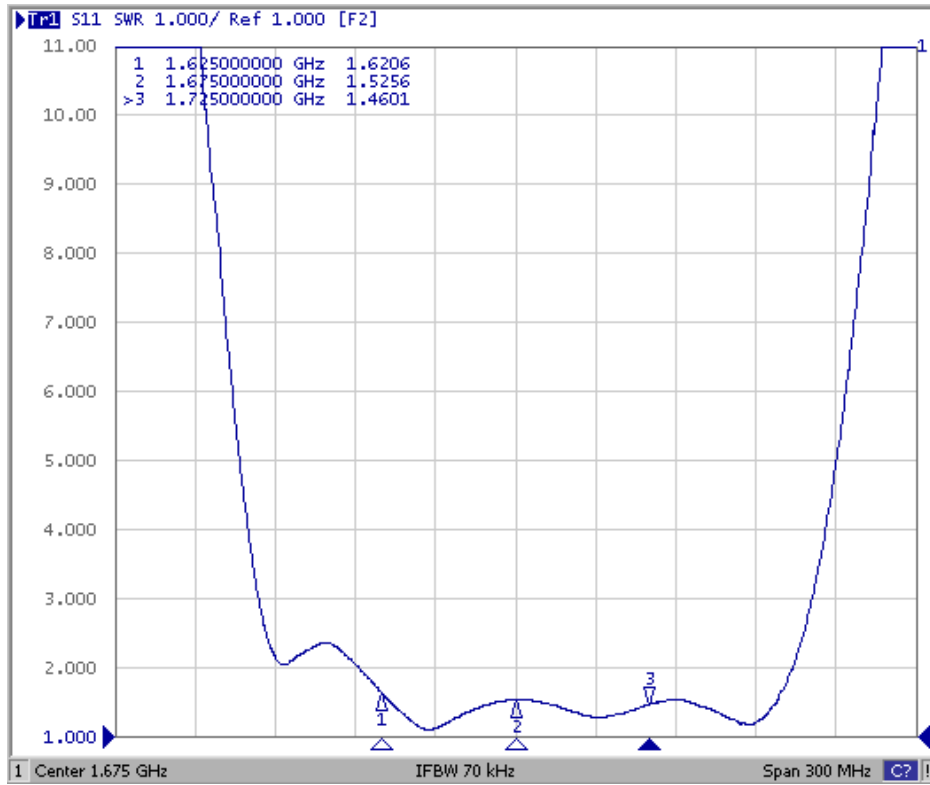
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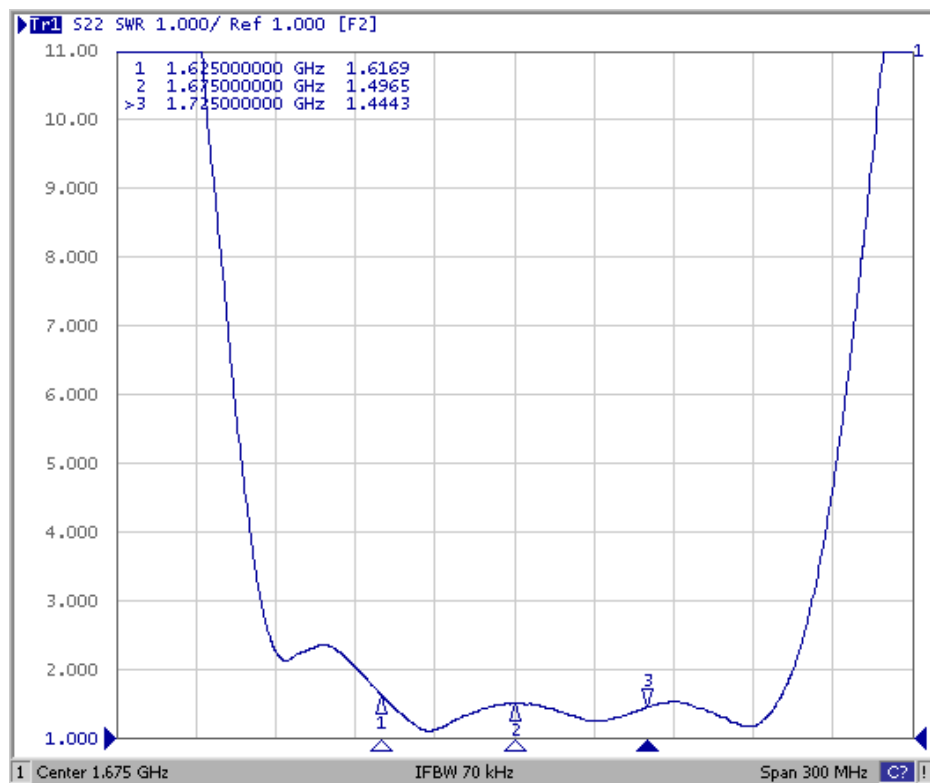
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Reflection Functions

S11



S22



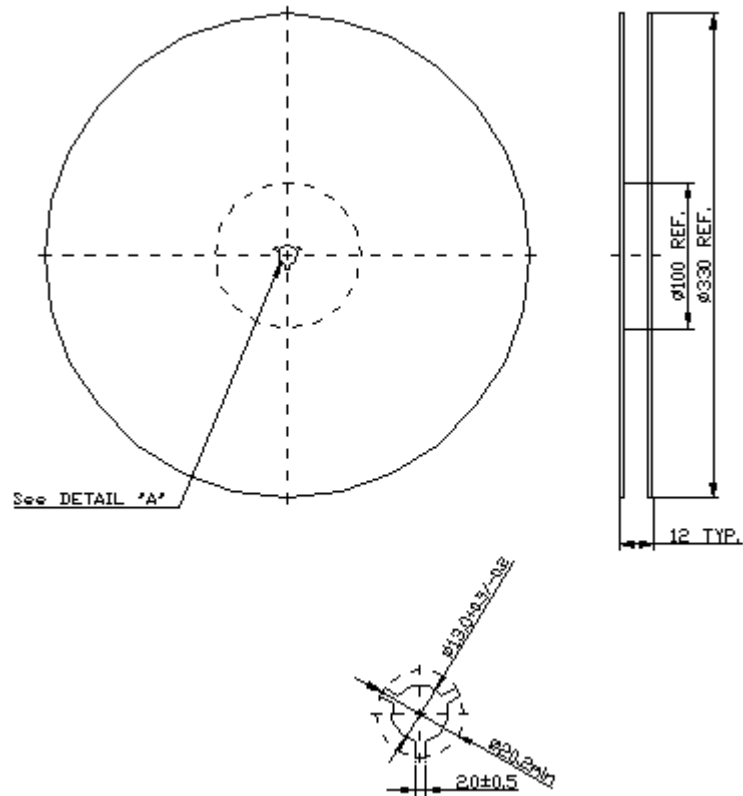
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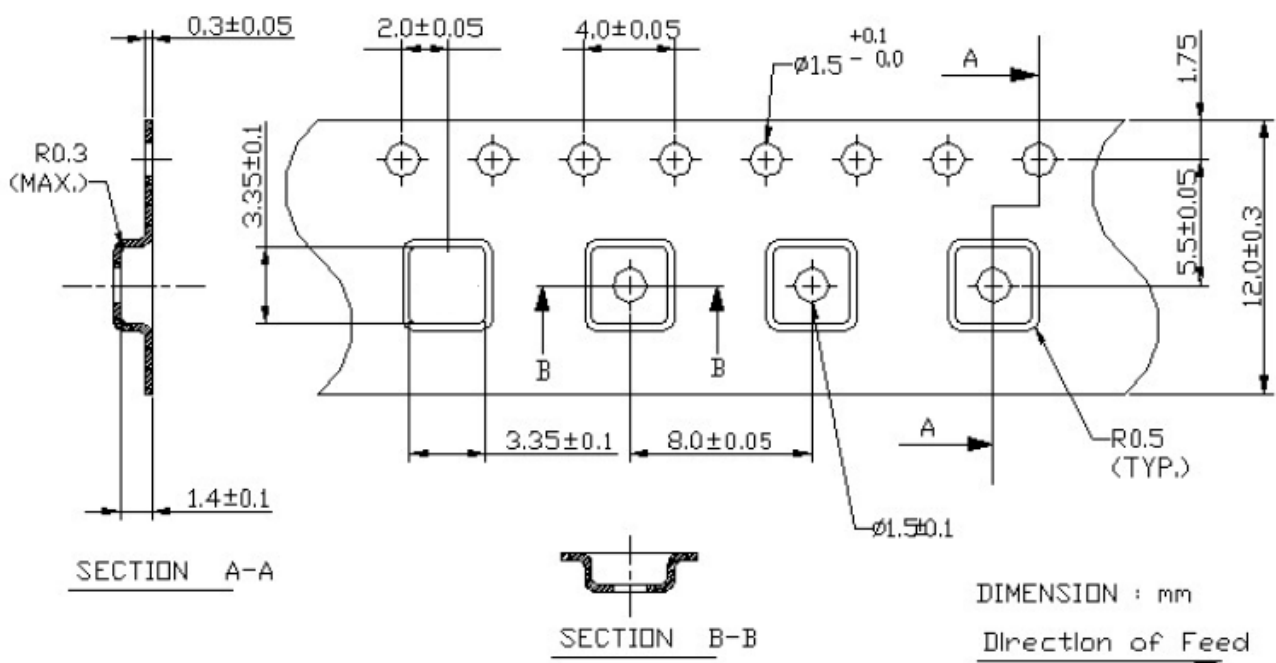
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**G. PACKING:**

1. Reel Dimension



2. Tape Dimension



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**H. RECOMMENDED REFLOW PROFILE:**

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 245 ~ 260°C peak (min. 10 sec).
4. Time: 2 times.

