

**SAW Filter 653.0MHz**  
**Part No: MP06624**

**Model: TA1358A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC voltage: 5V
3. Operating Temperature: -30°C to 60°C
4. Storage Temperature: -40°C to +85°C

**B. CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	653	-
Amplitude ripple (641 ~ 665MHz)	dB	-	1.1	1.7
Insertion loss, IL (641 ~ 665MHz)	dB	-	2.2	3.0
Group Delay, GD (641 ~ 665MHz)	ns	-	52	200
Bandwidth @ -3dB		24	42	-
Attenuation (reference from 0dB)				
0.3 ~ 578MHz	dB	33	38	-
578 ~ 615MHz	dB	10	17	-
690 ~ 740MHz	dB	10	19	-
740 ~ 747MHz	dB	30	38	-
747 ~ 973MHz	dB	37	42	-
973 ~ 1113MHz	dB	33	38	-
Source impedance Z <sub>S</sub>	Ω	-	50	-
Load impedance Z <sub>L</sub>	Ω	-	50	-

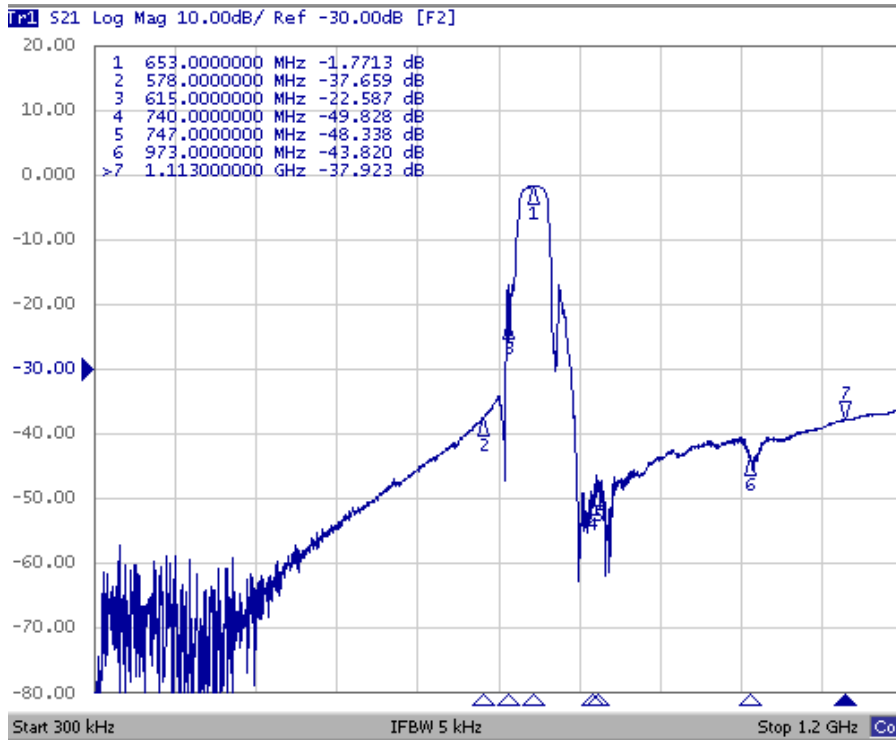
Note: No matching network required for operation at 50Ω

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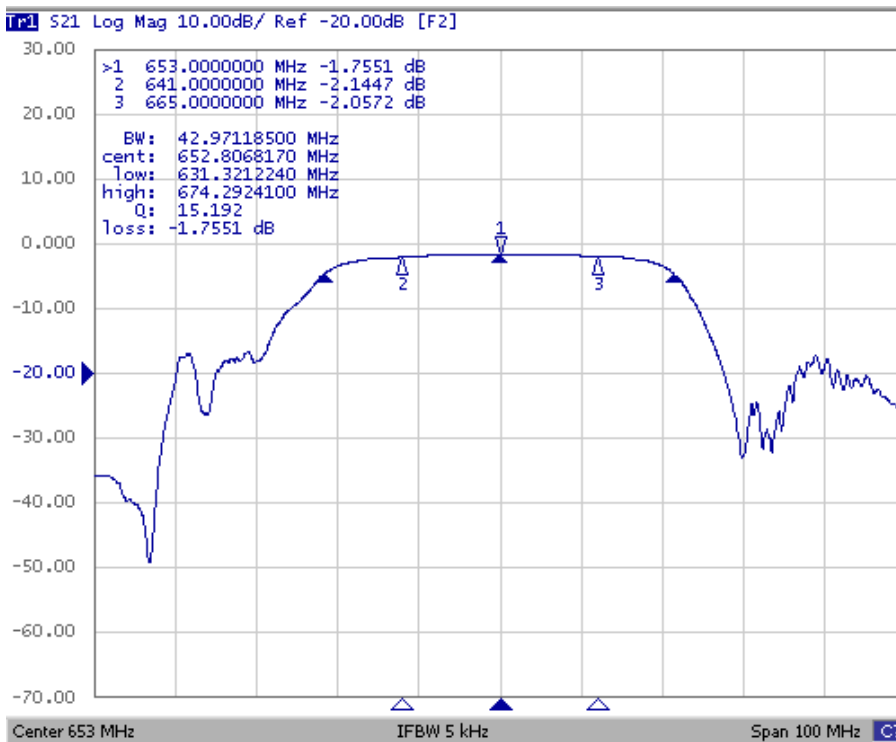
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**C. FREQUENCY CHARACTERISTICS:**

1. Wideband



2. Passband

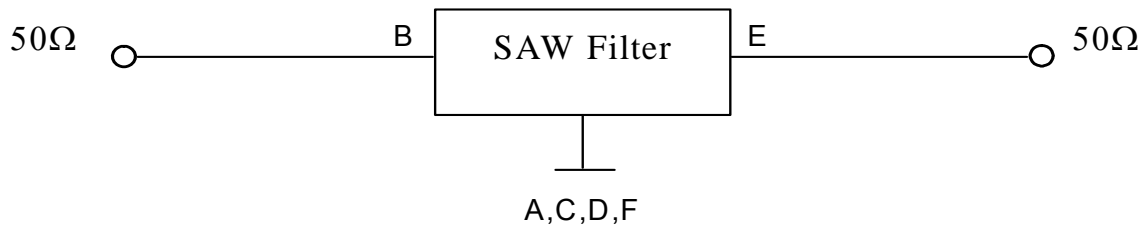


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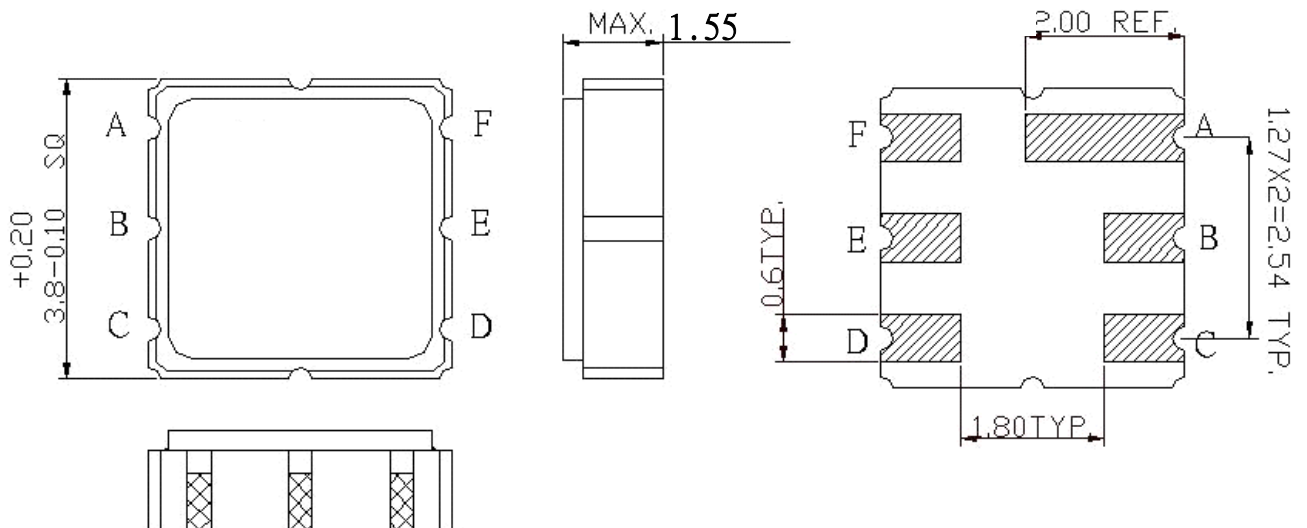
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**D. MEASUREMENT CIRCUIT:**

HP Network analyzer



**E. OUTLINE DRAWING:**



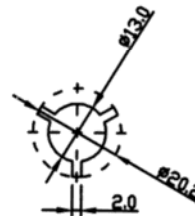
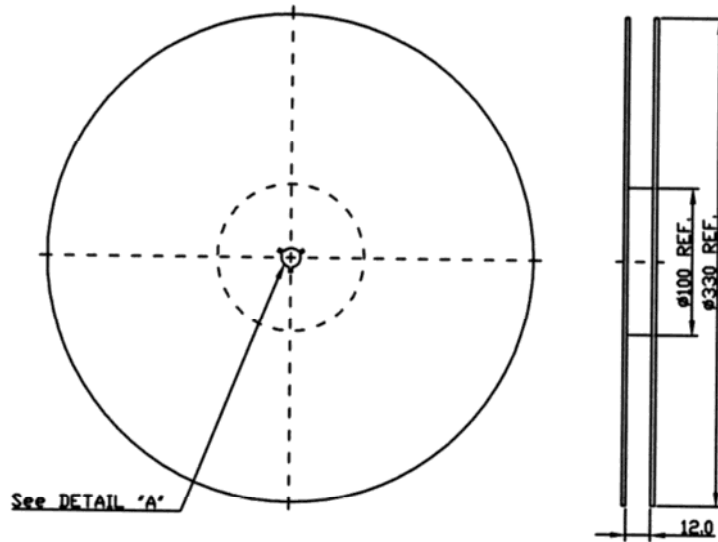
B: Input  
E: Output  
A, C, D, F Ground  
Unit: mm

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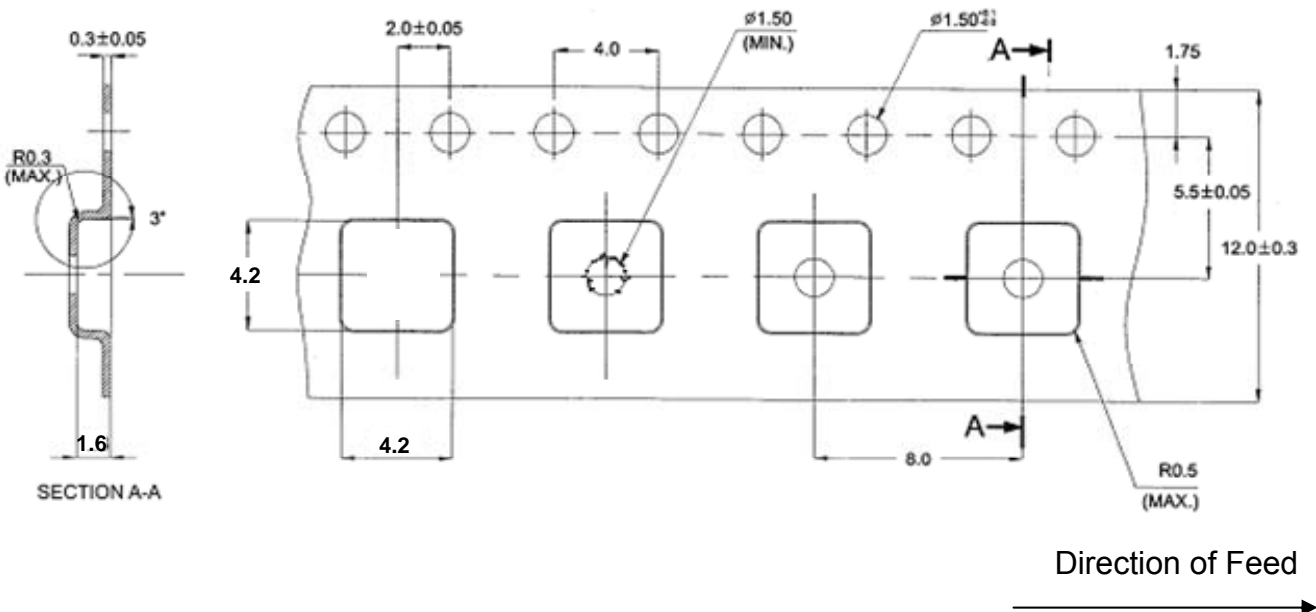
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**F. PACKING:**

1. Reel Dimension



2. Tape Dimension



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**G. RECOMMENDED REFLOW PROFILE:**

