

**SAW Filter 1250.0MHz**  
**Part No: MP02876**

**Model: TA0824A**  
**Rev No: 3**

**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: -50°C to +95°C

**B. ELECTRICAL CHARACTERISTICS:**

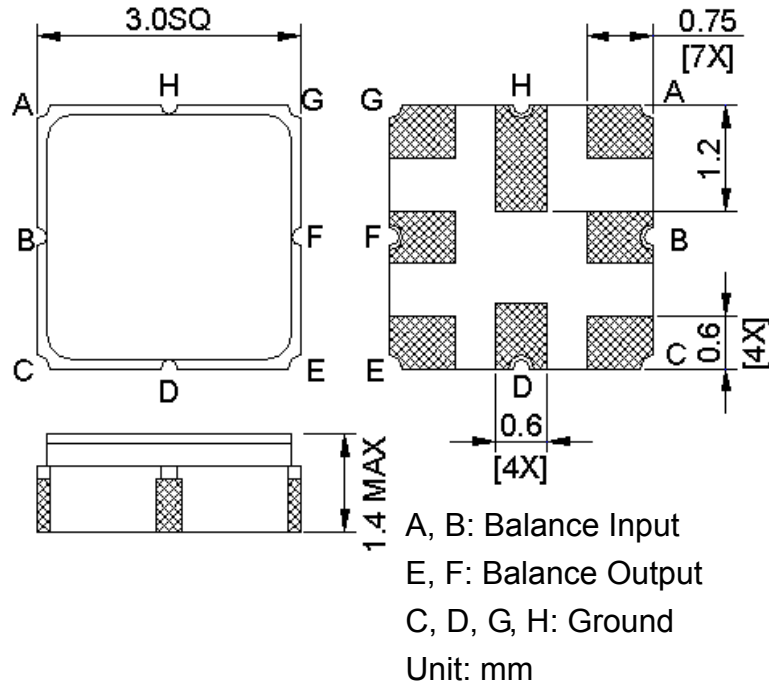
1. Terminating source impedance (differential):  $Z_S = 180\Omega$  and matching network
2. Terminating load impedance (differential):  $Z_L = 180\Omega$  and matching network

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency $F_c$	MHz	-	1250	-	-
Bandwidth at -3dB	MHz	96	114	-	-
Insertion Loss in 1202 ~ 1298MHz	dB	-	5.3	7	-
Amplitude ripple (1202MHz ~ 1298MHz)	dB	-	1.7	3	-
Amplitude ripple (1202MHz ~ 1298MHz) in any 6 MHz channel	dB	-	0.6	2	-
Group Delay ripple (1202MHz ~ 1298MHz)	ns	-	8	60	-
Group Delay ripple (1202MHz ~ 1298MHz) in any 6MHz channel	ns	-	2.2	18	-
I/O Return Loss (1202MHz ~ 1298MHz)	dB	9	12	-	-
Attenuation (Reference level from 0dB)					
500 ~ 1050MHz	dB	45	52	-	-
1050 ~ 1150MHz	dB	30	49	-	-
1350 ~ 1440MHz	dB	12	25	-	-
1440 ~ 2000MHz	dB	45	50	-	-

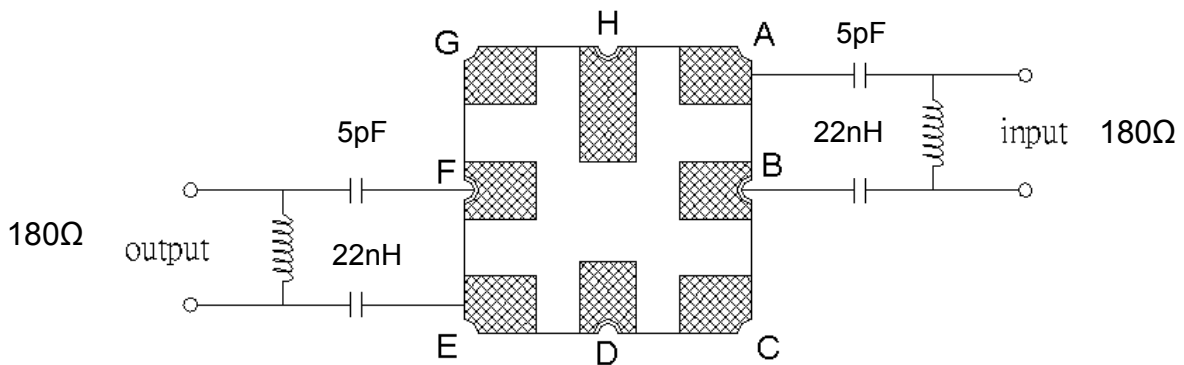
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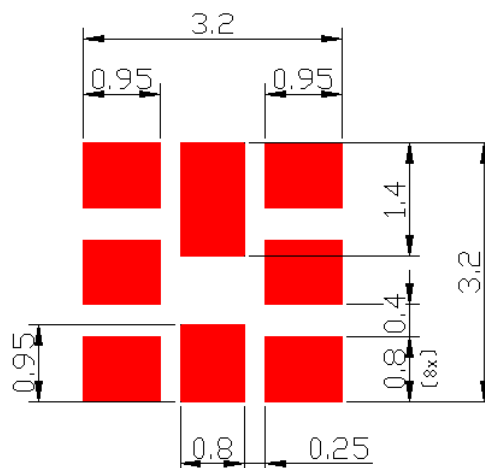
**C. OUTLINE DRAWING:**



**D. MEASUREMENT CIRCUIT:**



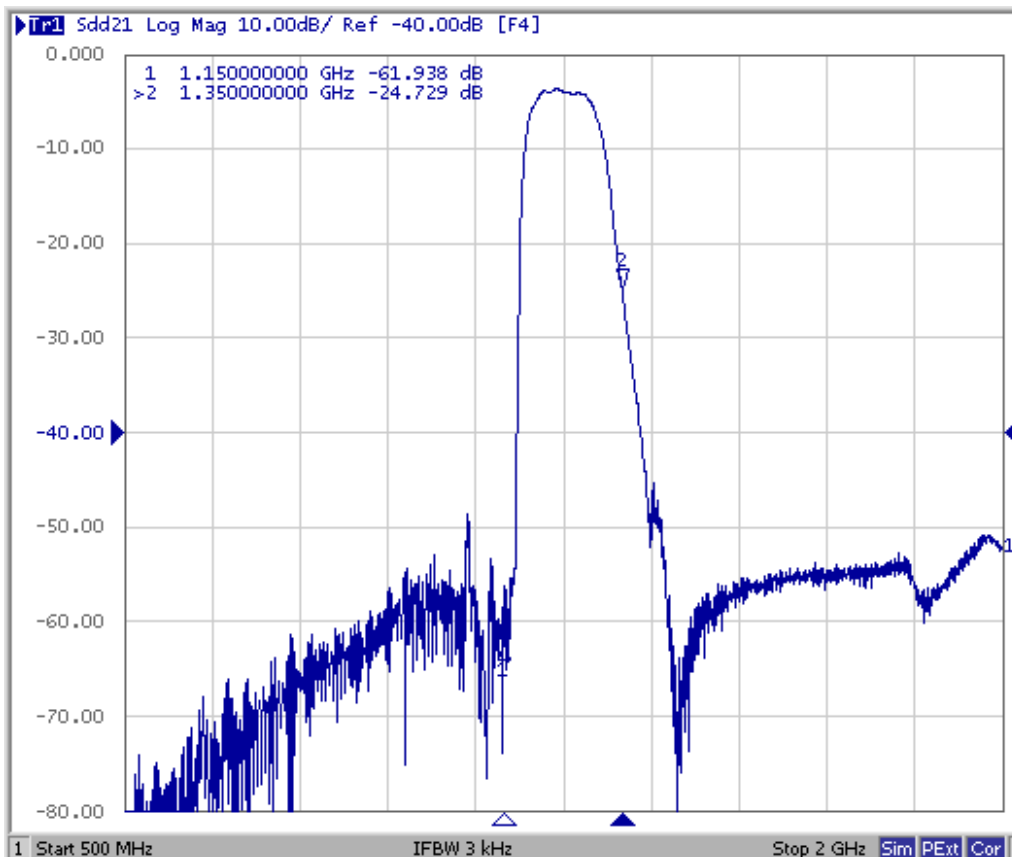
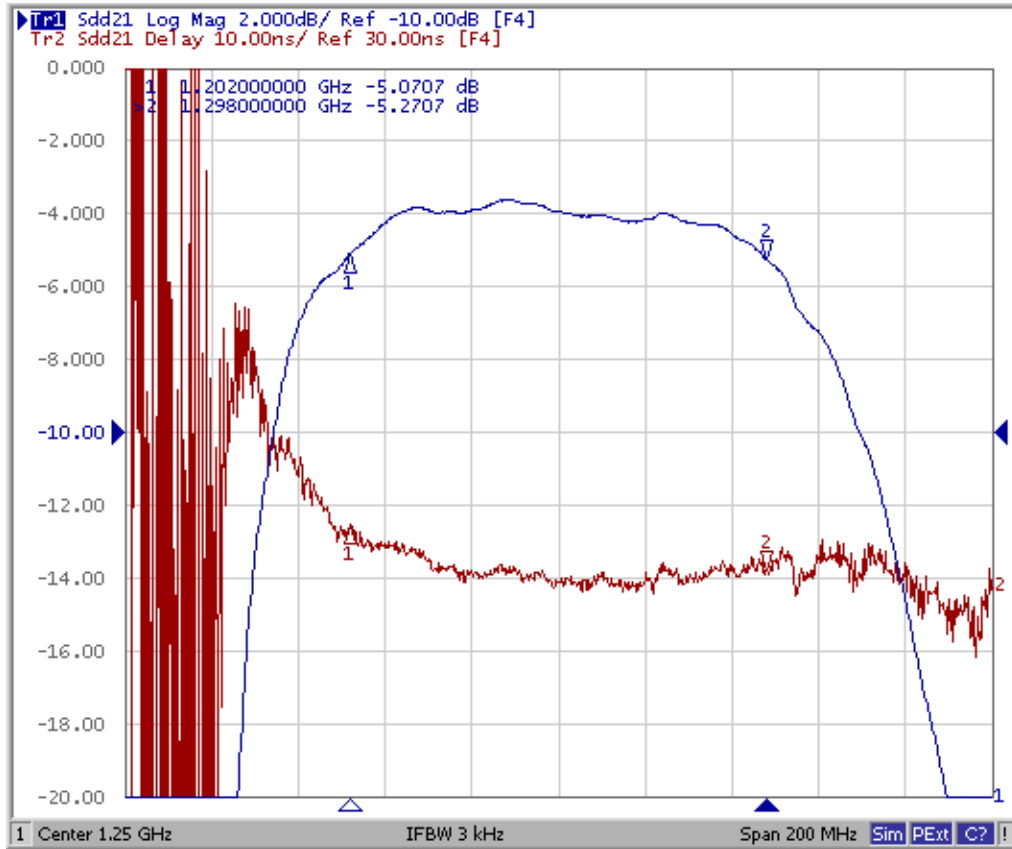
**E. PCB FOOTPRINT:**



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**F. FREQUENCY CHARACTERISTICS:**



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Reflection Functions

S11



S22

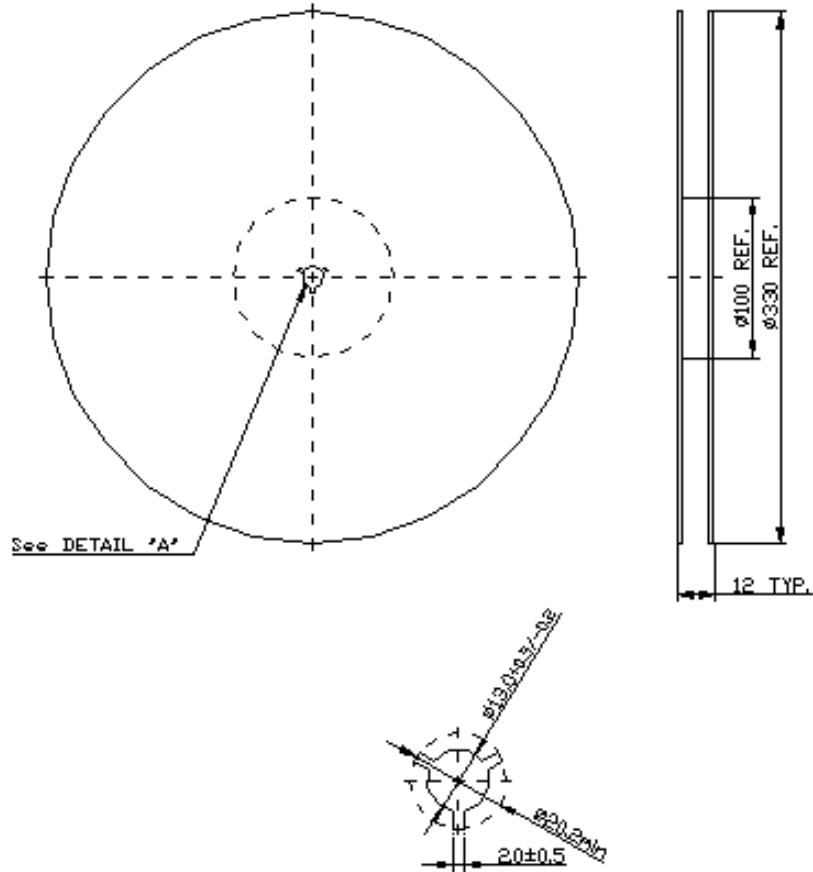


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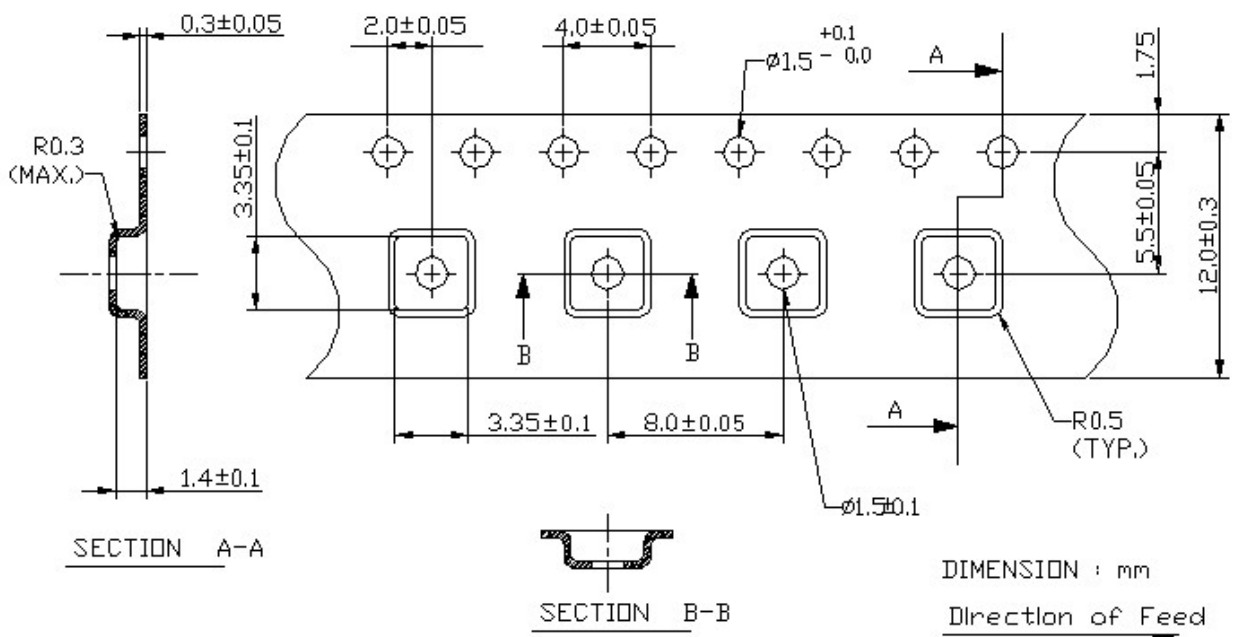
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**G. PACKING:**

1. Reel Dimension



2. Tape Dimension



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**H. RECOMMENDED REFLOW PROFILE:**

