SAW Filter 942.50MHz
Part No: MP04336

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -25°C to +75°C
4. Storage Temperature: -30°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

1. Terminating source impedance: \( Z_S = 50\, \Omega \)
2. Terminating load impedance: \( Z_L = 50\, \Omega \)

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Frequency ( F_c )</td>
<td>MHz</td>
<td>-</td>
<td>942.5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (925 ~ 960MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>3.0</td>
<td>3.8</td>
<td>-</td>
</tr>
<tr>
<td>VSWR (925~960 MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.6</td>
<td>2.0</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude ripple(925~960 MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.3</td>
<td>2.2</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D.C ~ 880 MHz</td>
<td>dB</td>
<td>38</td>
<td>42</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>880 ~ 905 MHz</td>
<td>dB</td>
<td>30</td>
<td>40</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>905 ~ 915 MHz</td>
<td>dB</td>
<td>28</td>
<td>38</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>980 ~ 3000 MHz</td>
<td>dB</td>
<td>25</td>
<td>31</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3000 ~ 6000 MHz</td>
<td>dB</td>
<td>19</td>
<td>32</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Package size</td>
<td>mm</td>
<td>SMD 1.4x1.1</td>
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</tr>
</tbody>
</table>
C. FREQUENCY CHARACTERISTICS:

S21 Pass-band response: (span 60MHz)

S21 response: (span 300MHz)
SAW Filter 942.50MHz
Part No: MP04336
Model: TA1324A
Rev No: 1

S21 response: (span 6GHz)

S11&S22 VSWR
SAW Filter 942.50MHz  
Model: TA1324A  
Part No: MP04336  
Rev No: 1

D. MEASUREMENT CIRCUIT:

E. PCB FOOTPRINT:
SAW Filter 942.50MHz  
Model: TA1324A  
Part No: MP04336  
Rev No: 1

F. OUTLINE DRAWING:

- Top view
- Side view
- Bottom view

C : Input  
A : Output  
B,D,E : Ground  
Unit : mm
G. PACKING:

1. Reel Dimension

(Reel Count: 7” = 3000)

2. Tape Dimension

Direction of Feed

TA1324A v1
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile with temperature (°C) on the y-axis and time (Sec) on the x-axis. The temperature varies from 20 to 280 °C over a time period of 0 to 360 seconds.](image-url)