SAW Filter 415.40MHz  
Model: TA0526A
Part No: MA07611  
REV. NO.: 1

A. **MAXIMUM RATING:**

1. Input Power Level: 10 dBm
2. DC voltage: 3 V
3. Operating Temperature: +15°C to +35°C
4. Storage Temperature: -40°C to +85°C

B. **ELECTRICAL CHARACTERISTICS:**

Balanced to Balanced operation
Terminating source impedance: \( Z_s = 200\Omega \)
Terminating load impedance: \( Z_L = 200\Omega \)

<table>
<thead>
<tr>
<th>Item</th>
<th>Min.</th>
<th>Typical</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency</td>
<td>Fc</td>
<td>MH</td>
<td>415.4</td>
</tr>
<tr>
<td>Insertion loss</td>
<td>412.9 ~ 417.9 MHz</td>
<td>IL</td>
<td>dB</td>
</tr>
<tr>
<td>Amplitude ripple</td>
<td>412.9 ~ 417.9 MHz</td>
<td>dB</td>
<td>-</td>
</tr>
<tr>
<td>VSWR</td>
<td>412.9 ~ 417.9 MHz</td>
<td>dB</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0 Db)</td>
<td>MHz</td>
<td>dB</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>379.0 ~ 394.0 MHz</td>
<td>dB</td>
<td>35</td>
</tr>
<tr>
<td></td>
<td>394.0 ~ 405.0 MHz</td>
<td>dB</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>437.0 ~ 476.0 MHz</td>
<td>dB</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>476.0 ~ 550.0 MHz</td>
<td>dB</td>
<td>40</td>
</tr>
<tr>
<td>Temperature coefficient of frequency</td>
<td>ppm/k</td>
<td>-</td>
<td>-36</td>
</tr>
</tbody>
</table>
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B. FREQUENCY CHARACTERISTICS:

Transfer Function:

![Graph of Frequency Characteristics]

- Att. (dB) vs Frequency (MHz)
- Two graphs showing frequency response and selectivity

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Reflection Function:
Wideband

D. MEASUREMENT CIRCUIT:

Balance 200Ω    Balance 200Ω
E. OUTLINE DRAWING:

Pin 1,2 : Balanced Input
Pin 5,6 : Balanced Output
Pin 3,4,7,8 : Ground
Unit : mm

F. PCB FOOTPRINT:
G. PACKING:
1. REEL DIMENSION

2. TAPE DIMENSION