1885MHz SAW Filter

Model: TA0629A

Part No: MA09482

REV NO.: 1

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

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc (dB)</td>
<td>-</td>
<td>1885</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss within 1850 ~1920 MHz IL (dB)</td>
<td>-</td>
<td>2.4</td>
<td>3.8</td>
</tr>
<tr>
<td>Amplitude ripple (p-p) within 1850 ~ 1920 MHz (dB)</td>
<td>-</td>
<td>1.2</td>
<td>2.5</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0 dB) D.C. ~ 1542.5 MHz (dB)</td>
<td>14.0</td>
<td>24.5</td>
<td>-</td>
</tr>
<tr>
<td>1542.5 ~ 1752.5 MHz (dB)</td>
<td>15.0</td>
<td>26.0</td>
<td>-</td>
</tr>
<tr>
<td>1752.5 ~ 1827.5 MHz (dB)</td>
<td>10.0</td>
<td>17.5</td>
<td>-</td>
</tr>
<tr>
<td>1962.5 ~ 3162.5 MHz (dB)</td>
<td>17.0</td>
<td>30.0</td>
<td>-</td>
</tr>
<tr>
<td>3162.5 ~ 4000 MHz (dB)</td>
<td>14.0</td>
<td>30.0</td>
<td>-</td>
</tr>
<tr>
<td>VSWR within 1850 ~1920 MHz</td>
<td>-</td>
<td>1.9</td>
<td>2.6</td>
</tr>
<tr>
<td>Source impedance Zs (Ω)</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance Zl (Ω)</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω

SAW Filter

50Ω

A, C, D, F
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D. OUTLINE DRAWING:

E. PCB Footprint:
F. FREQUENCY CHARACTERISTICS:

Transfer function

![Graph of frequency characteristics](image-url)
1885MHz SAW Filter
Part No: MA09482

Reflection Functions:

S11 VSWR

S22 VSWR
G. PACKING:

1. REEL DIMENSION

2. TAPE DIMENSION
H. RECOMMENDED REFLOW PROFILE: