SAW Filter 1642.50MHz
Part No: MA08088

Model: TA0426A
REV. NO.: 1

A. MAXIMUM RATING:
1. Input Power Level: 5 dBm
2. DC voltage: 5 V
3. Operating Temperature: -20°C to +75°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>1642.5</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss within 1625 ~1660 MHz IL (dB)</td>
<td>-</td>
<td>2.1</td>
<td>3.5</td>
</tr>
<tr>
<td>Amplitude ripple (p-p) within 1625 ~ 1660 MHz (dB)</td>
<td>-</td>
<td>0.9</td>
<td>2.0</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0 dB) DC ~ 1500 MHz (dB)</td>
<td>21</td>
<td>28</td>
<td>-</td>
</tr>
<tr>
<td>1525 ~ 1559 MHz (dB)</td>
<td>30</td>
<td>34</td>
<td>-</td>
</tr>
<tr>
<td>1700 ~ 2050 MHz (dB)</td>
<td>30</td>
<td>33</td>
<td>-</td>
</tr>
<tr>
<td>2050 ~ 3500 MHz (dB)</td>
<td>25</td>
<td>33</td>
<td>-</td>
</tr>
<tr>
<td>VSWR within 1625 ~1660 MHz</td>
<td>-</td>
<td>1.5</td>
<td>2.3</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>

Note1. No matching network required for operation at 50Ω
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C. OUTLINE DRAWING:

D. MEASUREMENT CIRCUIT:

E. PCB FOOTPRINT:
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F. FREQUENCY CHARACTERISTICS:
Transfer function

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**Transfer function**

![Graph showing frequency characteristics](image-url)

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**FREQUENCY CHARACTERISTICS:**

**Transfer function**

![Graph showing frequency characteristics](image-url)
SAW Filter 1642.50MHz
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Reflections Functions:

S11 VSWR

S22 VSWR
SAW Filter 1642.50MHz

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G. PACKING:

1. REEL DIMENSION

2. TAPE DIMENSION

Direction of Feed