A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 5V
3. Operating Temperature: -10°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Balanced to balanced operation
Terminating source impedance: $Z_S = 100\Omega$
Terminating load impedance: $Z_L = 100\Omega$

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc</td>
<td>MHz</td>
<td>-</td>
<td>1150</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss 1142 ~ 1158MHz IL min</td>
<td>dB</td>
<td>-</td>
<td>2.5</td>
<td>5.0</td>
</tr>
<tr>
<td>Ripple 1145 ~ 1155MHz</td>
<td>dB</td>
<td>-</td>
<td>0.6</td>
<td>-</td>
</tr>
<tr>
<td>Ripple 1142 ~ 1158MHz</td>
<td>dB</td>
<td>-</td>
<td>0.7</td>
<td>2.0</td>
</tr>
<tr>
<td>Absolute Group Delay (at 1150MHz)</td>
<td>ns</td>
<td>38</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>Group Delay Variation 1142 ~ 1158MHz</td>
<td>ns</td>
<td>12</td>
<td>90</td>
<td></td>
</tr>
<tr>
<td>Attenuation: (Reference level from IL min)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>500 ~ 1118MHz</td>
<td>dB</td>
<td>35</td>
<td>42</td>
<td>-</td>
</tr>
<tr>
<td>1118 ~ 1128 MHz</td>
<td>dB</td>
<td>4</td>
<td>20</td>
<td>-</td>
</tr>
<tr>
<td>1180 ~ 1220MHz</td>
<td>dB</td>
<td>20</td>
<td>24</td>
<td>-</td>
</tr>
<tr>
<td>1220 ~ 1600MHz</td>
<td>dB</td>
<td>35</td>
<td>40</td>
<td>-</td>
</tr>
</tbody>
</table>

Note:

IL min is the minimum of the pass band attenuation. The center frequency Fc is the mean value of the upper and lower frequencies at the 2dB filter attenuation level relative to the IL min.
C. FREQUENCY CHARACTERISTICS:

Transfer Function

Frequency (MHz)

Att. (dB)

Frequency (MHz)

Att. (dB)
SAW Filter 1150.0MHz
Part No: MA05554
Rev No: 1

Wideband

Group Delay
D. MEASUREMENT CIRCUIT:

E. OUTLINE DRAWING:

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

1. REEL DIMENSION

2. TAPE DIMENSION