**A. MAXIMUM RATING:**
1. Storage Temperature: -40°C to 85°C
2. Operating Temperature: -20°C to 70°C

**B. CHARACTERISTICS:**

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Min.</th>
<th>Type.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency, ( F_c )</td>
<td>MHz</td>
<td>-</td>
<td>525</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>dB</td>
<td>-</td>
<td>15.4</td>
<td>16.5</td>
</tr>
<tr>
<td>Passband Variation</td>
<td>MHz</td>
<td>-</td>
<td>1.5</td>
<td>3</td>
</tr>
<tr>
<td>Relative Attenuation at 454MHz</td>
<td>dB</td>
<td>20</td>
<td>42</td>
<td>-</td>
</tr>
<tr>
<td>Relative Attenuation at 558MHz</td>
<td>dB</td>
<td>-</td>
<td>34</td>
<td>-</td>
</tr>
<tr>
<td>Temp Coefficient</td>
<td>ppm/K</td>
<td>-</td>
<td>-76</td>
<td>-</td>
</tr>
</tbody>
</table>
C. FREQUENCY CHARACTERISTICS:
Wideband Response: (span 300MHz)

Passband Response: (span 100MHz)
D. OUTLINE DRAWING:

Pin 1 – Input
Pin 2 – Input Ground
Pin 5 – Output
Pin 6 – Output Ground
Pin 3, 4, 7, 8 – Ground

E. MATCHING CIRCUIT:

50 Ohm single ended Input - 50 Ohm single ended Output

L1=8.2nH; C1=2pF; C2=3pF

PCB FOOTPRINT:
G. PACKING:

1. REEL DIMENSION:

2. TAPE DIMENSION: