### A. MAXIMUM RATING:
1. Operating Temperature: -25°C to +70°C
2. Storage Temperature: -40°C to +85°C
3. Maximum Input Power: 10dBm

### B. ELECTRICAL CHARACTERISTICS:
1. Ambient Temperature: 25°C

<table>
<thead>
<tr>
<th>Item</th>
<th>Min.</th>
<th>Typical</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency (Fc)</td>
<td>MHz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insertion loss at Fc</td>
<td>dB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bandwidth at –1.0dB</td>
<td>MHz</td>
<td>69.0</td>
<td>74.0</td>
</tr>
<tr>
<td>Bandwidth at –3.0dB</td>
<td>MHz</td>
<td>71.0</td>
<td>78.0</td>
</tr>
<tr>
<td>Amplitude Ripple (Fc ± 34.5 MHz)</td>
<td>dB</td>
<td>0.8</td>
<td>1.0</td>
</tr>
<tr>
<td>Group Delay Ripple (Fc ± 34.5 MHz)</td>
<td>nS</td>
<td>30</td>
<td>100</td>
</tr>
<tr>
<td>Absolute Group delay at Fc</td>
<td>nS</td>
<td>320</td>
<td></td>
</tr>
<tr>
<td>Attenuation (Reference level from minimum Insertion loss)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>130MHz ~ 240MHz</td>
<td>dB</td>
<td>45</td>
<td>60</td>
</tr>
<tr>
<td>460MHz ~ 605MHz</td>
<td>dB</td>
<td>42</td>
<td>48</td>
</tr>
<tr>
<td>Temp Coefficient</td>
<td>ppm/°C</td>
<td>-</td>
<td>-93</td>
</tr>
</tbody>
</table>
C. FREQUENCY CHARACTERISTICS:

1. S21 Response

Fig1. Horizontal: 30MHz/Div Vertical: 10dB/Div

2. Passband Ripple

Fig2. Horizontal: 10MHz/Div Vertical: 2dB/Div
3. Group Delay Ripple

![Graph showing group delay ripple with frequency and delay values]

Fig 3. Horizontal: 10MHz/Div Vertical: 100nS/Div

4. Wide Band Response

![Graph showing wide band response with frequency and magnitude values]

Fig 4. Horizontal: 130–605MHz Vertical: 10dB/Div
D. MEASUREMENT CIRCUIT:

1. Single ended input 50 ohm to Single ended Output 50 ohm

Note: The matching structure will change according to different test fixture.

E. OUTLINE DRAWING:

Pin A : RF Input
Pin E : RF Output
Pin B,C,D,F,G,H : Ground
Unit: mm
F. PCB FOOTPRINT:

Unit: mm
G. PACKING:

1. REEL DIMENSION

![Reel Dimension Diagram]

Unit: mm

2. TAPE DIMENSION

![Tape Dimension Diagram]

Unit: mm
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile with temperature (Temp) in degrees Celsius (Deg C) on the y-axis and time (Time) in seconds on the x-axis.]