A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. Operating Temperature: -20°C ~ +70°C
3. Storage Temperature: -40°C ~ +85°C

B. CHARACTERISTICS:

Ambient Temperature: 25°C

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Value</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min.</td>
<td>Typ.</td>
</tr>
<tr>
<td>Center frequency Fc MHz</td>
<td>-</td>
<td>480</td>
</tr>
<tr>
<td>Minimum Insertion loss IL dB</td>
<td>-</td>
<td>14.7</td>
</tr>
<tr>
<td>3dB Bandwidth MHz</td>
<td>15.0</td>
<td>15.2</td>
</tr>
<tr>
<td>40 dB Bandwidth</td>
<td>-</td>
<td>25.6</td>
</tr>
<tr>
<td>Amplitude Ripple (Fc ± 5.0MHz) dB</td>
<td>-</td>
<td>0.5</td>
</tr>
<tr>
<td>Group-delay Ripple (Fc ± 6.0MHz) nsec</td>
<td>-</td>
<td>35</td>
</tr>
<tr>
<td>Temp Coefficient ppm/°C</td>
<td>-</td>
<td>-18</td>
</tr>
<tr>
<td>Attenuation (Reference level from Minimum insertion loss)</td>
<td>-</td>
<td>43</td>
</tr>
</tbody>
</table>
C. FREQUENCY CHARACTERISTICS:

1. S21 Response: (span 150MHz)

![Graph showing S21 response with a peak at 480.000000 MHz and a 25.025 dB level.]

2. Passband of Response: (span: 20MHz)

![Graph showing passband response with a peak at 480.000000 MHz and a flat region around 600 MHz.]
3. S11 Smith Chart: (span 150MHz)

4. S22 Smith Chart: (span 150MHz)
D. TEST CIRCUIT:

\[
\begin{array}{c}
\text{Z}_{\text{IN}} \quad L_1 \quad C_1 \quad C \quad G \quad C_2 \quad L_2 \quad Z_{\text{OUT}} \\
\end{array}
\]

\(Z_{\text{IN}}\) and \(Z_{\text{OUT}}\) are 50Ω, \(L_1 = 27nH, C_1 = 6.8pF, L_2 = 10nH, C_1 = 30pF\)

E. OUTLINE DRAWING:

C: RF input  
G: RF output  
H, D: Case Ground  
A, B, E, F: Ground  
Unit: mm

F. FOOTPRINT:
G. PACKING:

1. REEL DIMENSION

2. TAPE DIMENSION
H. RECOMMENDED REFLOW PROFILE:

![Reflow Profile Graph](image-url)