**X - BAND HIGH POWER LIMITER**  
8-12 GHz, 100 Watt CW, 1 KW Peak

- High power protection 100W CW and 1 KW peak (1 Microsec pulse width).
- Very low leakage level (+10 dBm typical).
- Low insertion loss and VSWR.
- Ideal for Radar Application.
- Fast recovery time, 1 Microsec typical.
- Built-in DC block @ input and output.
- Hermetically sealed module.

![Image of X-band high power limiter](image)

**Typical Performance @ + 25 Deg. C (Preliminary)**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>FREQ. RANGE (GHz)</th>
<th>MAXIMUM(^1) INSERTION LOSS (dB)</th>
<th>MAX(^1) VSWR</th>
<th>TYP LIM(^2) THRESHOLD (dBm)</th>
<th>MAX(^3) INPUT CW (Watt)</th>
<th>MAX PEAK 1 (\mu)sec PULSE WIDTH (Watt)</th>
<th>TYPICAL LEAKAGE @ 1 W CW INPUT (dBm)</th>
<th>@ 25 W CW INPUT (dBm)</th>
<th>@ 100 W CW INPUT (dBm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS0812PP100A</td>
<td>8 - 12</td>
<td>2.0</td>
<td>2:1</td>
<td>+4</td>
<td>100</td>
<td>1000</td>
<td>+6</td>
<td>+10</td>
<td>+13</td>
</tr>
</tbody>
</table>

Note 1: Insertion loss and VSWR tested @ -10dBm  
Note 2: Limiting threshold level @ input power which makes insertion loss 1 dB higher than that @ -10 dBm.  
Note 3: Power rating derated to 20% @ +125 Deg C.

Custom Designs: Please call for Detailed Brochures  
Other Herotek Products: Detectors, Amplifiers, Switches, Comb Generators, Impulse Generators, Multipliers, Integrated Subassemblies

155 Baytech Drive, San Jose, CA 95134 . Tel: (408) 941-8399 . Fax: (408) 941-8388  
Email: Info@herotek.com . Website: www.herotek.com . Visa/MasterCard Accepted