FEATURES
- Extremely narrow pulse width (typically 30 psec to 100 psec)
- Very high voltage output amplitude (6V to 20V into 50 ohms)
- Various input and output frequencies available
- Input matched to 50 ohms system
- No bias required
- Hermetically sealed module
- Available in drop-in type package

APPLICATIONS
- Clock reference
- Sampling circuit
- Sharp biasing or triggering source
- Optical modulator driving

ENVIRONMENTAL RATINGS
- Max Input Power: 1 Watt
- Operating Temperature Range: -55°C to + 95°C
- Storage Temperature Range: -65°C to +150°C
- Temperature Cycling: -65°C to +150°C
- Shock: 1500 G, 0.5 msec; 50 G, 11 msec
- Vibration: 20G, 100 to 2000 Hz
- Acceleration: 10,000 G

Specifications: (@ +25°C, 0.5 Watt input)

<table>
<thead>
<tr>
<th>MODEL ¹</th>
<th>INPUT ² (DRIVING FREQ. (MHz))</th>
<th>MAX INPUT VSWR</th>
<th>TYPICAL IMPULSE OUTPUT VOLTAGE (V)</th>
<th>TYPICAL IMPULSE PULSE WIDTH (P SEC)</th>
<th>IMPULSE OUTPUT FREQ. (MHz)</th>
<th>OUTLINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIM100A*</td>
<td>100</td>
<td>2:1</td>
<td>-12</td>
<td>100</td>
<td>100</td>
<td>C, L</td>
</tr>
<tr>
<td>GIM200A*</td>
<td>200</td>
<td>2:1</td>
<td>-18</td>
<td>90</td>
<td>200</td>
<td>C, L</td>
</tr>
<tr>
<td>GIM250A*</td>
<td>250</td>
<td>2:1</td>
<td>-18</td>
<td>80</td>
<td>250</td>
<td>C, L</td>
</tr>
<tr>
<td>GIM500A*</td>
<td>500</td>
<td>2:1</td>
<td>-15</td>
<td>60</td>
<td>500</td>
<td>C, L</td>
</tr>
<tr>
<td>GIM1000A*</td>
<td>1000</td>
<td>2:1</td>
<td>-10</td>
<td>50</td>
<td>1000</td>
<td>C2, L</td>
</tr>
<tr>
<td>GIM1500A*</td>
<td>1500</td>
<td>2:1</td>
<td>-8</td>
<td>45</td>
<td>1500</td>
<td>C2, L</td>
</tr>
</tbody>
</table>

Notes:
1. Suffix (*) for designations of the desired outline package, either C, C2 or L.
2. Other driving (input) frequencies from 10 MHz to 10 GHz are available. Consult factory for the desired frequency.
3. If input power other than 0.5 Watt (typically +10 dBm or 0 dBm) is desired, consult factory for information.
4. Impulse output voltage into 50-ohm system; standard output polarity is negative; positive polarity is available. Consult factory for information.
5. Pulse width is measured at 50% of the impulse peak voltage.
6. Add “X” to final suffix for an enhanced assembly version for more severe vibration environment.

For Package Outlines see Outline Drawings Page