# DPQLM-1535-C-0040-005N-03-50-000-A

## Key Features:
- Eye-safe Laser Wavelength
- Internal Photodiode
- Low Power Consumption
- Mini Size
- High Reliability

## Applications:
- Laser Telemeter
- Laser Surveying
- Remote Sensing

## Optical Parameters

<table>
<thead>
<tr>
<th>Model Number</th>
<th>DPQLM-1535-C-0040-005N-03-50-000-A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specs</strong></td>
<td><strong>Conditions</strong></td>
</tr>
<tr>
<td><strong>Min</strong></td>
<td><strong>Typ</strong></td>
</tr>
<tr>
<td>Wavelength</td>
<td>1535nm</td>
</tr>
<tr>
<td>Pulse Width</td>
<td>5ns</td>
</tr>
<tr>
<td>Peak Power</td>
<td>8kW</td>
</tr>
<tr>
<td>Pulse Repetition Frequency</td>
<td>1000Hz</td>
</tr>
<tr>
<td>Pulse Energy</td>
<td>40uJ</td>
</tr>
<tr>
<td>Pulse Build-up Time</td>
<td>0.25ms</td>
</tr>
<tr>
<td>Operating Temperature (Case)</td>
<td>-</td>
</tr>
<tr>
<td>Energy Stability</td>
<td>2%</td>
</tr>
<tr>
<td>Beam Diameter</td>
<td>9mm</td>
</tr>
<tr>
<td>Beam Divergence</td>
<td>-</td>
</tr>
</tbody>
</table>

## Electrical Parameters

- LD Working Current: 3A
- LD Working Voltage: 2V to 2.2V
- LD Pump Pulse Duty Cycle: 40%
- Power Consumption: 1.5W to 2.4W

## Mechanical Parameters

- Packaging Dimension: Ø18.0mm × 80mm
- Off center(Angle): 20mrad
- Off center(Position): 0.3mm to 0.5mm

## Reliability

- Storage Humidity: 5% to 85% R.H. (Non-condensing)
- Storage Temperature: -40°C to +85°C
- Shock: 1500g, 0.5ms, 6 shocks, 3 axes, 2 shocks/axis
- Vibration: 20~2000Hz, 0.02g/Hz, 3 axes, 1hr/axis
- Expected Lifetime (MTTF): 5000hrs

Note: (Non-condensing)

Rev. A
Dimensions and Pin Configuration (Unit: mm)

PIN Configuration: 1. PD+  2. COM* 3. NA  4. LD-
Note: 1. COM*: LD+ & PD- (conduction with case)
2. PD: Laser Pulse detect