### Optical and Electrical Characteristics

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Test conditions</th>
<th>Symbol</th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forward voltage</td>
<td>( I_F = 20 , mA )</td>
<td>( V_F )</td>
<td>1.7</td>
<td>2.0</td>
<td>V</td>
<td></td>
</tr>
<tr>
<td>Reverse voltage</td>
<td>( I_R = 100 , \mu A )</td>
<td>( V_R )</td>
<td>5</td>
<td></td>
<td>V</td>
<td></td>
</tr>
<tr>
<td>Radiant power(^1)</td>
<td>( I_F = 20 , mA )</td>
<td>( \Phi_e )</td>
<td>2.5</td>
<td>3.5</td>
<td>mW</td>
<td></td>
</tr>
<tr>
<td>Peak wavelength</td>
<td>( I_F = 20 , mA )</td>
<td>( \lambda_p )</td>
<td>715</td>
<td>730</td>
<td>740</td>
<td>nm</td>
</tr>
<tr>
<td>Spectral bandwidth at 50%</td>
<td>( I_F = 20 , mA )</td>
<td>( \Delta\lambda_{0.5} )</td>
<td>25</td>
<td></td>
<td></td>
<td>nm</td>
</tr>
<tr>
<td>Switching time</td>
<td>( I_F = 20 , mA )</td>
<td>( t_r, t_i )</td>
<td>12</td>
<td></td>
<td></td>
<td>ns</td>
</tr>
</tbody>
</table>

\(^1\)Measured on bare chip on TO-18 header with JENOPTIK Polymer Systems equipment

### Labeling

<table>
<thead>
<tr>
<th>Type</th>
<th>Lot N(^*)</th>
<th>( \Phi_e ) (typ) [mW]</th>
<th>( V_F ) (typ) [V]</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELC-730-17</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Packing:

Chips on adhesive film with wire-bond side on top

<table>
<thead>
<tr>
<th>Environmental</th>
<th>Symbol</th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Temperature</td>
<td>( T_{STG} )</td>
<td>15</td>
<td>30</td>
<td>1</td>
<td>°C</td>
</tr>
<tr>
<td>Storage Relative Humidity</td>
<td>( R_{H,STG} )</td>
<td>40</td>
<td>75</td>
<td>1</td>
<td>% RH</td>
</tr>
<tr>
<td>Storage Time</td>
<td>( t_{STG} )</td>
<td></td>
<td></td>
<td></td>
<td>year</td>
</tr>
</tbody>
</table>

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We reserve the right to make changes to improve technical design and may do so without further notice.

Parameters can vary in different applications. All operating parameters must be validated for each customer application by the customer.

JENOPTIK Polymer Systems GmbH, D-12555 Berlin, Köpenicker Str.325 b, Haus 201
Tel.: +49-30-6576 2543, Fax : +49-30-6576 2545

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