**Features**
* High illumination sensitivity.
* Stable characteristics.
* Spectrally and mechanically matched with IR emitter.
* NPN silicon phototransistor.

**Absolute Maximum Ratings at TA=25°C**

- **OPERATING TEMPERATURE RANGE**: -25°C to +85°C
- **STORAGE TEMPERATURE RANGE**: -25°C to +100°C
- **LEAD SOLDERING TEMP. (1.6mm FROM BODY)**: 260°C FOR 5 SEC.

**Electrical/optical characteristics at TA=25°C**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>LENS COLOR</th>
<th>COLLECTOR-EMITTER BREAKDOWN VOLTAGE (V)</th>
<th>Emitter-Collector BREAKDOWN VOLTAGE (V)</th>
<th>COLLECTOR-EMITTER SATURATION VOLTAGE (V)</th>
<th>COLLECTOR DARK CURRENT (mA)</th>
<th>PHOTO CURRENT (mA)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>ICBO = 100 μA Ee = 0</td>
<td>IECO = 100 μA Ee = 0</td>
<td>Ic = 0.5 mA Ee = 20mw/cm²</td>
<td>VCE = 15V Ee = 0</td>
<td>VCE = 5V</td>
</tr>
<tr>
<td>LT9593-91-0125</td>
<td>WATER CLEAR</td>
<td>MIN. 30.0</td>
<td>MIN. 5.0</td>
<td>MAX. 1.3</td>
<td>MAX. 100</td>
<td>TYP. 20.0</td>
</tr>
<tr>
<td>LT9595-91-0125</td>
<td>BLUE CLEAR</td>
<td>MIN. 30.0</td>
<td>MIN. 5.0</td>
<td>MAX. 1.3</td>
<td>MAX. 100</td>
<td>TYP. 20.0</td>
</tr>
</tbody>
</table>

**Package Dimensions**

**Relative Sensitivity VS.Peak Wavelength**

**Photo Current VS. Radiant Incidence**

**Max. Collector Dark Current VS. Ambient Temperature**