**A. Family**

Radiall active optics and D-Lights™ are transparent & protocol independent optical transceivers, transmitters & receivers designed for harsh environments, demanding applications and markets. These products operate in a large temperature range (-40°C to +90°C) and are available with a variety of options. There are several package options available, including surface mount, plug-in and custom agreements as well as specific custom packages which cover bit rates up to 10 Gbps.

**B. Options and Customization**

- **Optical Transceivers**
  - Bit Rate: DC to 10 Mbps devices are only available in the SFF (2x5) package.
  - Multiple channel optical transceivers for harsh environment applications are available in transmitter, receiver or transceiver. Available in 2, 4 or 12 channel versions. Some channel counts are only available in transmitter, receiver or transceiver configurations.
  - Single-port optical transceivers for harsh environment applications are available in transmitter, receiver or transceiver. Available in 2, 4 or 12 channel versions. Some channel counts are only available in transmitter, receiver or transceiver configurations.

- **B.1. Bit Rate**
  - DC to 10 Mbps: Devices are only available in the SFF (2x5) package.
  - 0.1 to 4.5 Gbps: Devices are available in the SFF (2x5) and 100-Pin Plug options.
  - 5 to 12 Gbps: Devices are available in the SFF (2x5), 29504 / 2x5 & 29505 / 2x5 options.

- **B.2. Fiber**
  - For harsh environments, H12.5/125/1200 μm fibers are recommended. For additional fiber choices, please contact your local Radiall representative.

- **B.3. Channel Count**
  - For additional information or specific requests, please contact your local Radiall representative.

**C. Part Numbers**

<table>
<thead>
<tr>
<th>Channel Count</th>
<th>Bit Rate (Gbps)</th>
<th>Packaging</th>
<th>Optical Terminations/Connectors</th>
<th>Fiber Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>0.1 to 4.5 Gbps</td>
<td>Through Holes</td>
<td>S-Light - Pluggable packages</td>
<td>H:62.5/125/900 μm, G:50 &amp; 50 / 125 μm</td>
</tr>
<tr>
<td>2</td>
<td>5 to 12 Gbps</td>
<td>Through Holes</td>
<td>S-Light - Pluggable packages</td>
<td>62.5 / 125 μm</td>
</tr>
<tr>
<td>4</td>
<td>5 to 12 Gbps</td>
<td>Through Holes</td>
<td>S-Light - Pluggable packages</td>
<td>50 / 125 μm</td>
</tr>
</tbody>
</table>

For any additional information or specific requests, please contact your local Radiall representative.
It’s not just a slogan. It’s a statement of our earnest desire to put you at the forefront of all our business practices. As part of Radiall’s mission to be available and accessible, we make it a priority to have local offices around the globe ready and able to assist you – wherever you are, whenever you need us.

Our most important connection is with you."