Chip on Submount (CS)

Anode

Cathode

P1 1155-AA

Top View

Front View

Metalized

0.0020 [0.050 mm] ref (Exit Offset)

0.0553 [13.6 mm] ref (Exit)

7.0° Full Width Half Max (FWHM) Typical

0.0154 [0.391 mm] ref

90° ± 3°

0.062 ± 0.003 [2.08 ± 0.08 mm]

0.004 ± 0.000 [0.10 ± 0.00 mm] ref

0.0207 ± 0.0005 [0.52 ± 0.02 mm] Light Exit

0.0055 ± 0.0003 [0.14 ± 0.01 mm] Solder

0.0154 ± 0.0020 [0.39 ± 0.05 mm] Circuit

0.0048 ± 0.0010 [1.23 ± 0.025 mm] Light Exit

0.123 ± 0.025 [3.089 mm]

4.050 ± 0.050 mm

0.1594 ± 0.0020

Dimensional Outlines

Chip on Submount (CS)
14 Pin Butterfly Package (BF)
Fiber length = 0.5 meters minimum

1. Cooler (+)
2. Thermistor
3. Monitor PD anode
4. Monitor PD cathode
5. Thermistor
6. N/C
7. N/C
8. N/C
9. N/C
10. Laser anode P
11. Laser cathode
12. N/C
13. Case ground
14. Cooler (-)

Connector Type = FC/APC
Connector Key = Reduced Narrow
Polarization = Slow Axis

Fiber Type = PM Panda Fiber
Mode Field Dia = 6.6 microns
Fiber Wavelength = 980 nm
Fiber Jacket = 900 micron Loose-Tube
TO-8 Header
“T8”

Figure 1. Bottom View

Figure 2. Side View

All dimensions are for reference only. Contact factory for details.

Module is not hermetic. Do not submerge in liquid.
# TO-8 Header

"T8"

## Table 1. Pinout

<table>
<thead>
<tr>
<th>Pin</th>
<th>Device</th>
<th>Signal</th>
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<tbody>
<tr>
<td>1</td>
<td>TEC</td>
<td>Pos (+)</td>
</tr>
<tr>
<td>9</td>
<td>TEC</td>
<td>Neg (-)</td>
</tr>
<tr>
<td>2</td>
<td>Laser</td>
<td>Anode</td>
</tr>
<tr>
<td>8</td>
<td>Laser</td>
<td>Cathode</td>
</tr>
<tr>
<td>3</td>
<td>Thermistor</td>
<td>Bottom</td>
</tr>
<tr>
<td>4</td>
<td>Thermistor</td>
<td>Top</td>
</tr>
<tr>
<td>5</td>
<td>Photodiode</td>
<td>Cathode</td>
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<tr>
<td>6</td>
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<td>Anode</td>
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</tbody>
</table>

## Figure 3. Side View

- 12X Ø 0.018 [.46 mm] ref
- 0.301 [7.64 mm] approx. Laser Facet
- Ø 0.600 [15.24 mm]

## Figure 4. Side View

- Ø 0.375 [9.53 mm] Approx Window Dia.
- .390 [9.91 mm] ref
- 32.0° Typical Full Width Half Max.
- .089 [2.27 mm] approx
- .025 [.64 mm] ref

## Figure 5. Top View

- 6.0° Typical Full Wid Half Max.
- \[< 5.0° Typ A\]

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