Diode Laser Concepts, Inc. offers the smallest diode laser Cross Hair Module of its kind. Measuring just 1.15" x 0.56" x 1.01" (1.35" for Long Range Module), DLC’s dual source Cross Hair Module gives twice the brightness of single source units, while still qualifying as a Class II Laser Product. DLC’s unique alignment of the cross hair gives the effect of coming from a single point source. Units are prealigned at the factory for exceptional line quality and orthogonality, thus eliminating costly set-up time. Our internal driver circuitry utilizes automotive electronics to provide maximum surge and static protection to the laser diode.

DLC has made a commitment to producing the world’s most reliable Diode Laser Module. Our modules are found in the tire, medical, wood products and textile industries, and we maintain a field failure rate of less than 0.5%. The industry’s lowest!

DLC’s focus on customer satisfaction is equally unmatched. We meet or exceed our quoted lead times over 97% of the time.

DLC is the answer for the customer who has been searching for quality, reliability, and excellent customer service. Our vision to produce the most reliable and competitively priced modules began with the company’s inception in 1991, and has established DLC as a leader in the industry.

DLC is the future of the Diode Laser Module market. Call us today to discuss your application!

**Innovative Technical Solutions**

- Surge, Static, and Reverse Polarity Protection
- Variety of: Wavelengths, Fan Angles
- Anodized Aircraft Aluminum
- Dust Protective Window
- All Units CDRH Certified as a Class II Laser Product

**Unmatched Product Reliability**

**Unsurpassed Customer Service**

ISO 9001 Registered

Competitive Pricing

Two Year Warranty
### CROSS HAIR GENERATOR MODULES

#### STANDARD

<table>
<thead>
<tr>
<th>Line Length with Full Fan Angle of:</th>
<th>Wavelength</th>
<th>(Line Thickness) 1/2 Angle Beam Divergence (mrad)</th>
<th>Operating Current Typical/Maximum (mA)</th>
<th>Power Rating (mW)</th>
<th>CDRH Class</th>
<th>Module Length (in/mm)</th>
<th>DLC Part Number</th>
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</thead>
<tbody>
<tr>
<td>90 Degrees</td>
<td>635nm</td>
<td>.39</td>
<td>100/180</td>
<td>5 x 2</td>
<td>II</td>
<td>1.01/25.65</td>
<td>FAY-CH3-19</td>
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<td>635nm</td>
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<td>130/200</td>
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<td>II</td>
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<td>FAY-CH3-86</td>
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<td></td>
<td>650nm</td>
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<td></td>
<td>FAY-CH5-16</td>
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<td>670nm</td>
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<td>80/140</td>
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<td>II</td>
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#### LONG RANGE

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<th>Line Length with Full Fan Angle of:</th>
<th>Wavelength</th>
<th>(Line Thickness) 1/2 Angle Beam Divergence (mrad)</th>
<th>Operating Current Typical/Maximum (mA)</th>
<th>Power Rating (mW)</th>
<th>CDRH Class</th>
<th>Module Length (in/mm)</th>
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<td>80/140</td>
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<td>FAY-PC5-14</td>
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<td>670nm</td>
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<td>80/140</td>
<td>5 x 2</td>
<td>II</td>
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<td>FAY-PC7-14</td>
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</tbody>
</table>

### CAUTION

LASER LIGHT - DO NOT STARE INTO BEAM PEAK POWER WAVELENGTHS 635, 650, 670nm CLASS II LASER PRODUCT

DANGER
LASERLIGHT-AVOID DIRECT EYE EXPOSURE PEAK POWERS 1.0 mW-30 mW WAVELENGTHS 635 - 830 nm CLASS IIIa, IIIb LASER PRODUCT

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**CROSS HAIR LASER MODULES**

**General Specifications:**

- **Voltage Required:** 5.0VDC (regulated)
- **Line Width (nominal):**
  - Standard Unit: 1mm (to 4’ distance)
  - Long Range Unit: 1mm (to 15’ distance)
- **Emissions Indicator:** Red LED
- **Case:** @ Neutral Potential
- **Internal Electronics:** Static, Surge and Reverse Polarity Protected
- **Wire Leads:** 7in. long, (+) red, (-) black
- **Operating Temperature:** -10 deg. C to +50 deg. C
- **Storage Temperature:** -40 deg. C to +80 deg. C
- **Warranty:** Limited 2 Year

ALL UNITS CDRH CERTIFIED.
MADE IN THE USA.