

**NEW!**

## Dual Aiming Laser

### PRELIMINARY Product Specification

Laser package contains a 905 pulsed laser diode (CVD 46) and a 650nm laser diode mounted side by side (distance between the centers of emission = 720um) on a common platform (+, case, positive). The emission pattern of the two laser die will be centered on the package axis to within +/- 0.010 in.

#### Product Performance

Parameters <u>CVD 46</u>	Symbol	Min.	Typ.	Max.	Units
Peak Wavelength	$\lambda$	895	905	915	nm
Spectral Width FWHM	$\Delta\lambda$		5		nm
Peak Power	$P_o$		3		W
Device Emitting Width	-		62		um
Optical Pulse Width	-		100		mS
Peak Drive Current	-		4		Amps
Rise Time	-		1		nS
Beam Spread	-		10 x 35		Degrees
Storage Temperature	$T_s$	-55	-	+85	°C
Operating Temperature	$T_o$	-45	-	+85	°C

Parameters <u>650 Red</u>	Symbol	Min.	Typ.	Max.	Units
Peak Wavelength	$\lambda$	640	655	660	nm
Spectral Width FWHM	$\Delta\lambda$		3		nm
Power	$P_o$		5		mW
Device Emitting Width	-		5		um
Optical Pulse Width	-		5		uS
Drive Current	-		29		mA
Duty Factor	-			5	%
Beam Spread	-		10 x 35		Degrees
Storage Temperature	$T_s$	-15	-	+85	°C
Operating Temperature	$T_o$	-10	-	+40	°C

**Safety:**

Caution: Laser light emitted from any diode laser may be harmful to the human eye. Avoid looking directly into the diode laser aperture when the device is in operation.

**Class 3B laser**

**ESD Caution:**

Handle diode lasers with extreme care to prevent electrostatic discharge. Follow ESD precautions when handling devices.

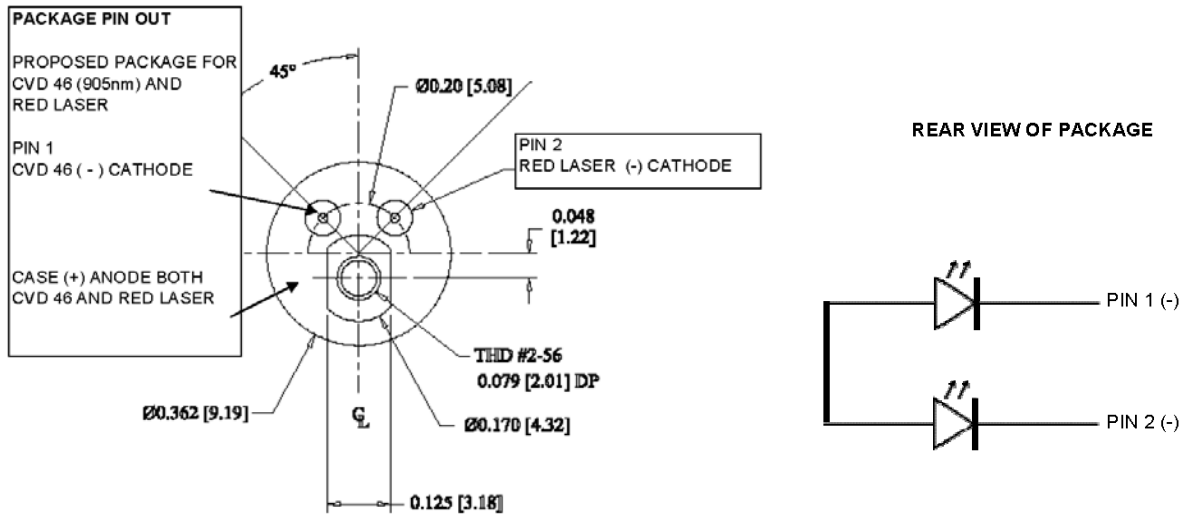
**Warranty:**

Please refer to your product purchase agreement for complete details or check with your Laser Diode sales representative.

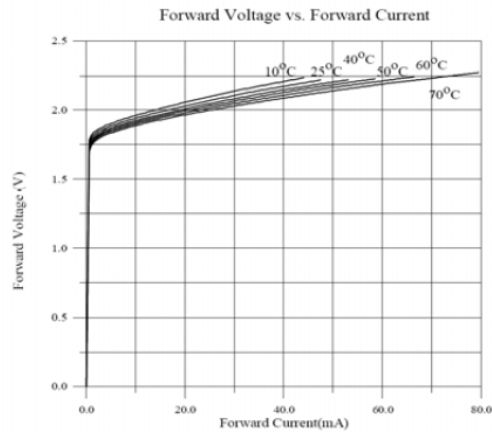
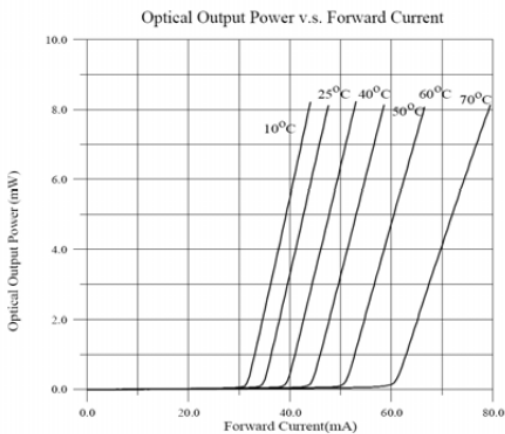
**Notice:**

LDI reserves the right to make changes to the products or information contained herein without notice. No liability is assumed as a result of their use or application.

**FIGURE 1 PACKAGE OUTLINE  
CUSTOM LASER CONFIGURATION, TO5T**



**Typical Forward Current and Voltage Curves**



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