

Product Specification Sheet

Dual Aiming Laser CVDR 46650-TO5T 650nm Laser Diode for Rangefinding Applications RoHS Compliant

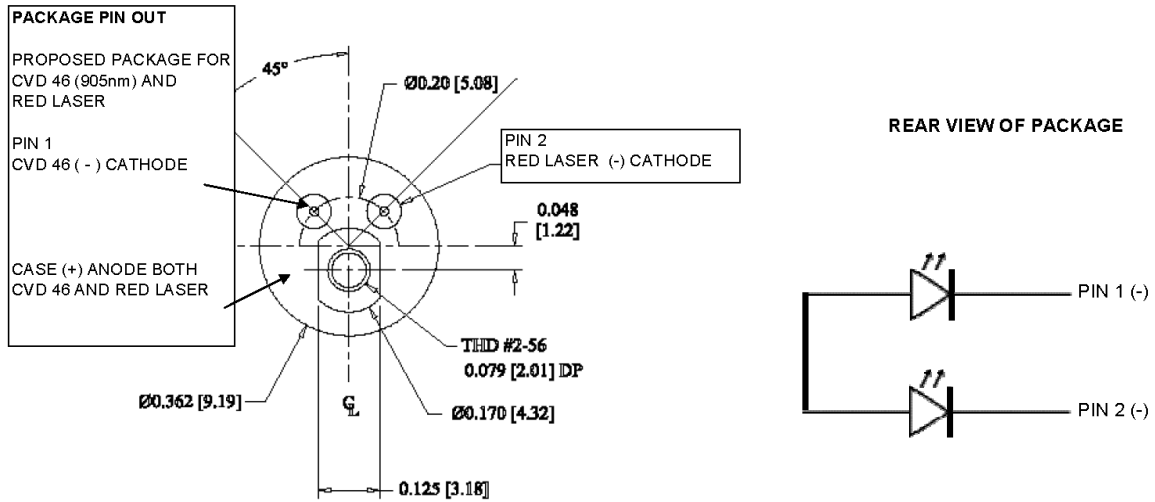
Laser package contains a 905 pulsed laser diode (CVD 46) and a 650nm laser diode mounted side by side (distance between the centers of emission = 720um) on a common platform (+, case, positive). The emission pattern of the two laser die will be centered on the package axis to within +/- 0.010 in.

Product Performance

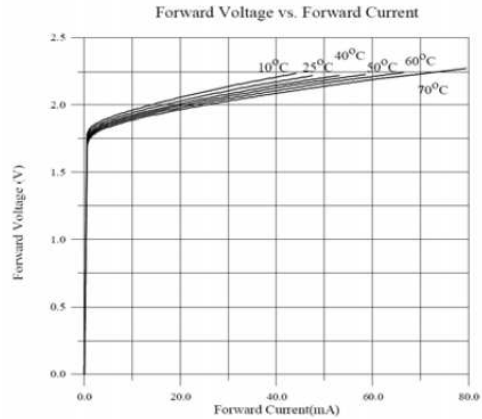
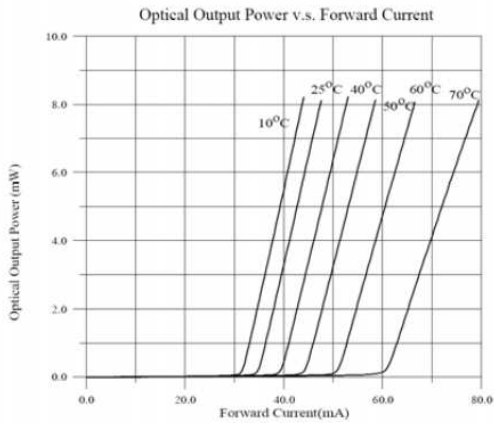
Parameters <u>CVD 46</u>	Symbol	Min.	Typ.	Max.	Units
Peak Wavelength	λ	895	905	915	nm
Spectral Width FWHM	$\Delta\lambda$		5		nm
Peak Power	P_o		3		W
Device Emitting Width	-		62		um
Optical Pulse Width	-		100		nS
Peak Drive Current	-		4		Amps
Rise Time	-		1		nS
Beam Spread	-		10 x 35		Degrees
Storage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

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



Typical Forward Current and Voltage Curves



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 LDI sales representative.

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