

- High Power CW Operation- 600 milliwatts
- High Brightness- 150 μm Aperture
- Wavelength 660 ± 3 nm Standard

The LDX-2615-660 laser diode is a high brightness, high power, visible red laser diode. These AlGaInP broad-area, gain-guided lasers are produced using MOCVD growth which offers high efficiency and excellent reliability.

These devices are available on an open heatsink package (C-mount), as well as other package options; please inquire.

Device ratings:

Parameter	Min.	Typ.	Max.	Units
Output Power @ 20 °C		600	700	mW
Threshold Current	600	800	1000	mA
Operating Current at Rated Power	1200	1500	1800	mA
Operating Temperature	-20	20	30	°C
Device Lifetime 600mW @ 20°C	2000			hours

Device characteristics at 20°C and at 600 mW output power:

Parameter	Min.	Typ.	Max.	Units
Forward Voltage	1.8	2.2	2.4	Volts
Wavelength	657	660	663	nm
Spectral Width		1	3	nm (FWHM)
Divergence- Parallel		7	9	degrees (FWHM)
Divergence- perpendicular	36	40	44	degrees (FWHM)
Polarization Ratio		>50:1		
Aperture Size		150 x 1		μm
Slope Efficiency	0.75	0.90	1.2	mW/mA