

- High Power CW Operation- 125 milliwatts
- High Brightness- 20 μ m Aperture
- Wavelength 655 \pm 5 nm Standard

The LDX-2102-655 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), a hermetically sealed 9.0mm window package, as well as other package options; please inquire.

Device ratings:

Parameter	Min.	Typ.	Max.	Units
Output Power @ 20 °C		125	150	mW
Threshold Current	100	200	400	mA
Operating Current at Rated Power	300	450	600	mA
Operating Temperature	-20	20	30	°C

Device characteristics at 20°C and at 125 mW output power:

Parameter	Min.	Typ.	Max.	Units
Forward Voltage	1.8	2.2	2.6	Volts
Wavelength	650	655	660	nm
Spectral Width		1	3	nm (FWHM)
Divergence- Parallel		10	14	degrees (FWHM)
Divergence- perpendicular	32	38	42	degrees (FWHM)
Polarization Ratio		>50:1		
Aperture Size		20 x 1		μ m
Slope Efficiency	0.50	0.70	1.1	mW/mA