




LD808-5-TO3

808 nm High-Power Laser Diode

<p>Features:</p> <p>Output power 5.0w(CW) Variety of stripe width Efficient quantum well structure</p>	
<p>Application:</p> <p>Solid-state laser pumping Medical usage Beacons and Illumination Free-space communication Infrared light sources</p>	

Specifications:

Parameter	Value
CW output power (mW)	5000
Peak wavelength (nm)	808 ± 10
Spectral width (nm)	≤ 5
Threshold c(mA) (A)	≤ 1100
Operating c(mA) (A)	≤ 5200
Operating voltage (V)	≤ 2.2
Slope efficiency (W/A)	≥ 1.0
Beam divergence $\theta_{\perp} \times \theta_{\parallel}$ (deg.)	12/40
Wavelength temperature coefficient (nm/°C)	0.3
Emitting area (μm)	200 × 1
Serial resistance (Ω)	≤ 0.25
Lifetime(h)	10000
Package	TO-3



TO-3 Package (Unit: mm)

