




## 808 nm High-Power Laser Diode

<p><b>Features:</b></p> <p>Output power: 2.0w(CW)          Variety of stripe width          Efficient quantum well structure</p>	
<p><b>Application:</b></p> <p>Solid-state laser pumping          Medical usage          Beacons and Illumination          Free-space communication          Infrared light sources</p>	

### Specifications:

Parameter	Value
	808-2000mW
CW output power (mW)	2000
Peak wavelength (nm)	$808 \pm 10$
Spectral width (nm)	$\leq 5$
Threshold curre(mA)	$\leq 700$
Operating curre(mA)	$\leq 2800$
Operating voltage (V)	$\leq 2.2$
Slope efficiency (W/A)	$\geq 1.0$
Beam divergence $\theta_{\perp} \times \theta_{\parallel}$ (deg. )	12/40
Wavelength temperature coefficient (nm/°C)	0.3
Emitting area ( $\mu\text{m}$ )	$200 \times 1$
Serial resistance ( $\Omega$ )	$\leq 0.25$
Lifetime(h)	10000
Package -	TO-3



## TO-3 Package (Unit: mm)

