



25W 905nm pulsed laser diode

(P/N.: PLD-905-25W-B-01)

Features

- Laser wavelength 905nm
- Peak output power >25W
- Optical aperture size 75um x 10um

Applications

- Laser range finding

Absolute maximum ratings

Parameter	Min	Typ	Max	Unit
Operating Current			10	A
Reverse Voltage			2.5	V
Duty Cycle			0.1	%
Operating Temperature	-40	-	85	°C
Storage Temperature	-40	-	125	°C

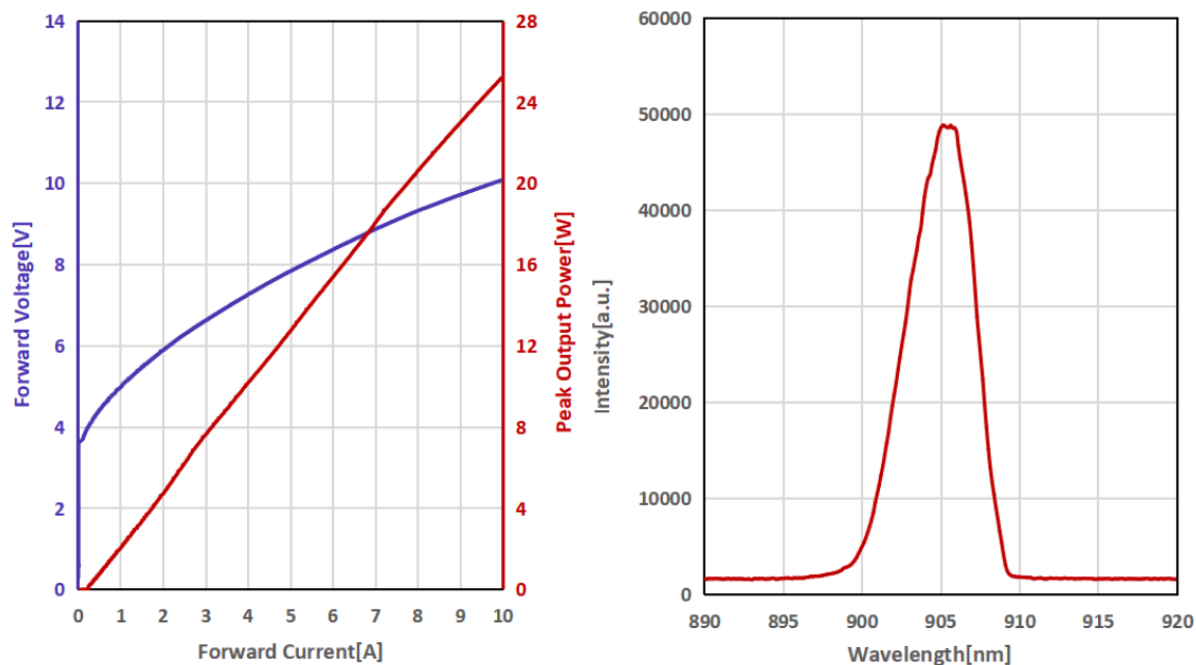
Optical parameters (100ns, 1kHz, 10A, 25°C)

Parameter	Min	Typ	Max	Unit	Notes
Central Wavelength	895	905	915	nm	
Spectral Bandwidth		5		nm	
Optical Power		25		W	
Threshold Current	-	0.25	-	A	
Operating Current	-	10	-	A	
Operating Voltage	-	10	-	V	
Wavelength Temp. Coeff.	-	0.26	-	nm/°C	
Vertical divergence		30		°	FWHM
Horizontal divergence		10		°	FWHM

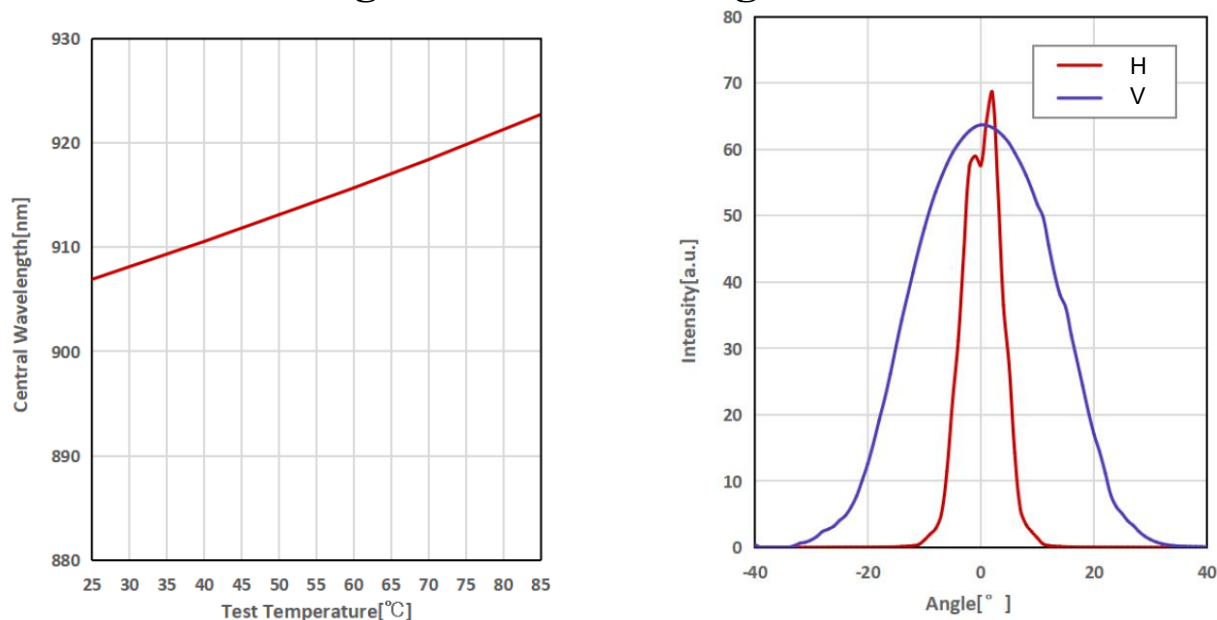


Typical Performance at 25°C

LIV and spectral characteristics



Central wavelength drift and divergence





Dimensional outline (units = mm)

