

GS3 Series Diode laser Horizontal mini-size stacks



Key Features

- ◆ Sealed package, compact design
- ◆ AuSn sintering
- ◆ Available to work under high-temperature
- ◆ High power density
- ◆ High reliability

Applications

- Pumping source
- Material processing
- Laser lighting
- Medical cosmetology
- Scientific research applications

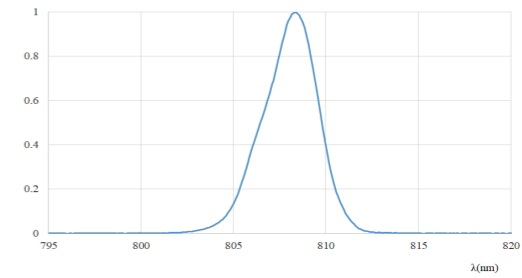
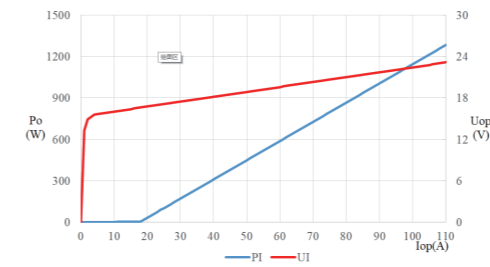
Technical Specifications

(Test temperature: 25°C Pulse width: 250µs Repetition rate: 50Hz)

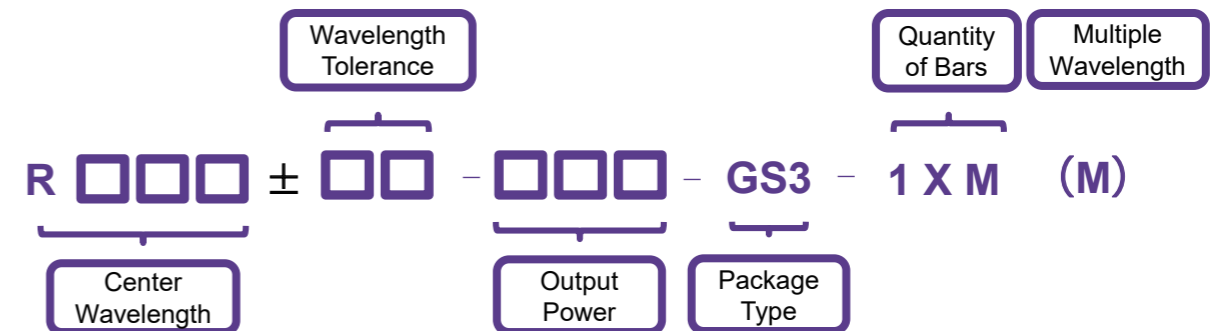
	Parameters	Unit	R808±3-1200-GS3-1X12
Optical	Center Wavelength	nm	808±3
	Spectral Width (FWHM)	nm	≤5
	Duty Ratio	%	≤2
	Peak Power	W	1200
	Quantity of Mini-bars	-	12
	Width of Mini-bars	mm	5
	Spaces between Bars	mm	0.4
	Fast axis divergence angle (FWHM)	°	35
	Slow axis divergence angle (FWHM)	°	10
	Polarization	-	TE
Electrical	Temperature Drift of Wavelength	nm/°C	0.28
	Operating Current	A	110
	Threshold Current	A	13
	Operating Voltage	V	24
Environment	Conversion Efficiency	%	50
	Operating Temperature	°C	-20 ~ 70
	Storage Temperature	°C	-40 ~ 80

Notes:

1. Available to customize mini-stacks with other sizes;
2. Accept to customize the wavelength of 940nm;
3. Available to pack 1-12 mini-bars;
4. Spaces between bars are available to be customized;
5. Accept to customize stack modules with multiple wavelength around 808nm.



Part Numbering Schema



Mechanical Drawings (in mm)

