

●Under development

SHARP

GH06C01A9G Multi-mode Red Laser Diode



[To the Wavelength](#)

[To the Package](#)

$\phi 9.0\text{mm}$ TO-CAN Package

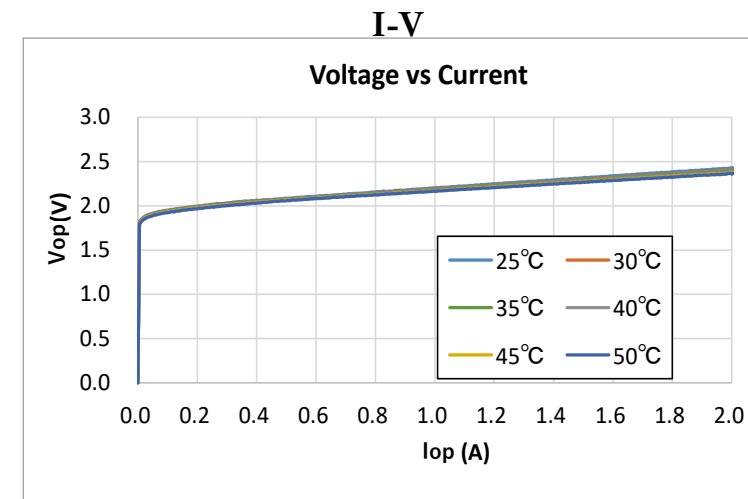
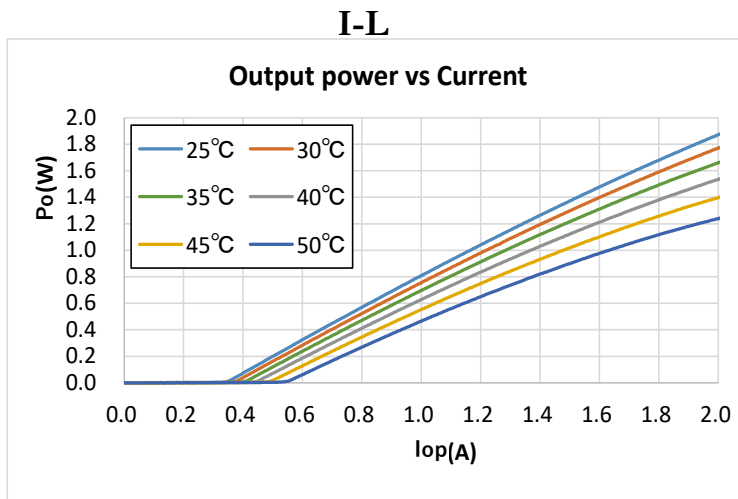
March 2022

Characteristics

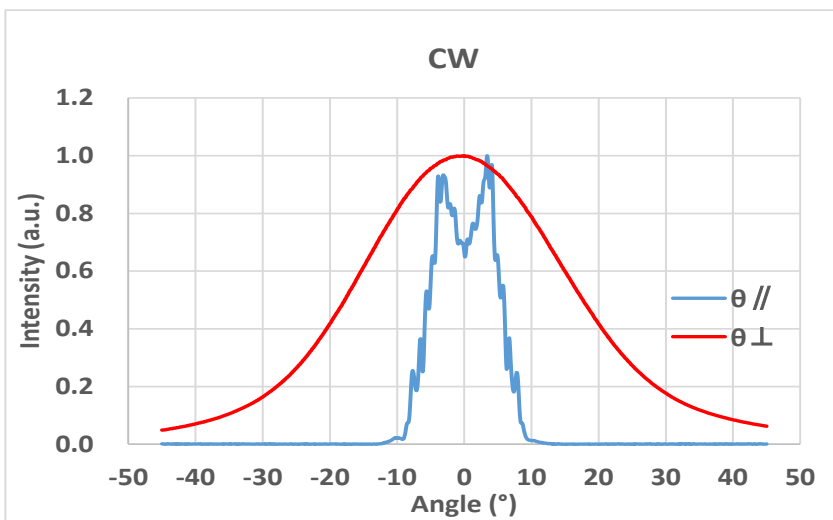
($T_c=25^\circ\text{C}$, CW)

| Item | Conditions | Characteristic value (TYP.) |
|-------------------------------|----------------------|---------------------------------------|
| Wavelength (Peak) | $P_o=1,200\text{mW}$ | 640nm |
| Output(mW) | — | 1,200mW |
| Threshold current | — | 350mA |
| Operating current | $P_o=1,200\text{mW}$ | 1,400mA |
| Operating voltage | $P_o=1,200\text{mW}$ | 2.25V |
| Far Field (FWHM ($^\circ$)) | $P_o=1,200\text{mW}$ | $\theta// 11, \theta\perp 35$ |
| Terminal connections | No.9 | $\phi 9.0$ |

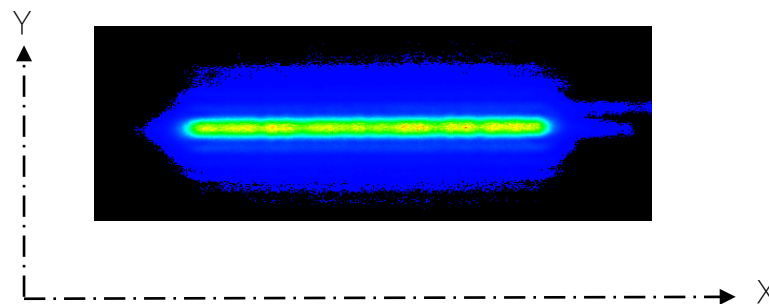
CW I-L, I-V Temperature



Far Field Pattern



Near Field Pattern



| | FWHM(μm) | $1/e$ (μm) | $1/e^2$ (μm) |
|---|-----------------------|-------------------------|---------------------------|
| X | 83.5 | 85.0 | 89.6 |
| Y | 3.6 | 4.3 | 6.0 |

