

● Under development

**SHARP**

**GH06C02B9G**

Double emitter Multi-mode Red Laser Diode



To the Wavelength

To the Package

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

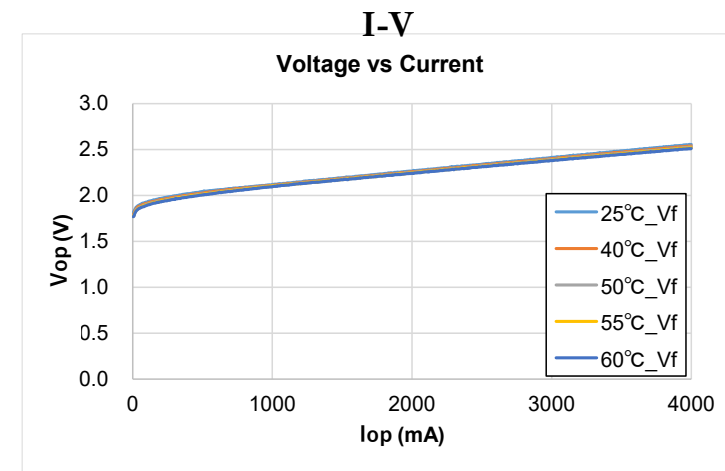
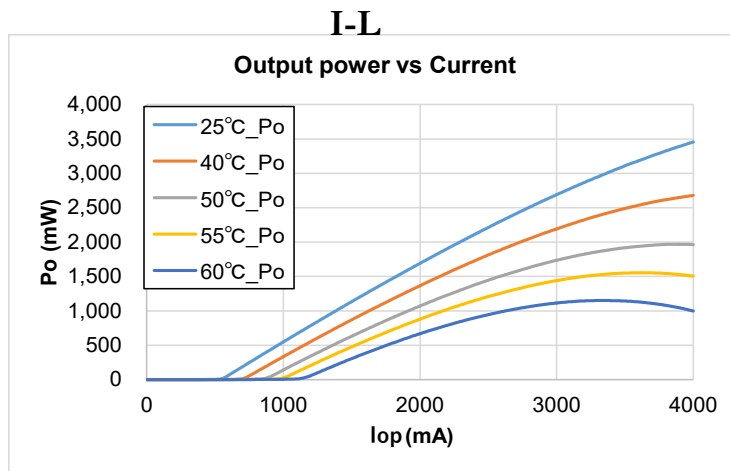
March 2022

## Characteristics

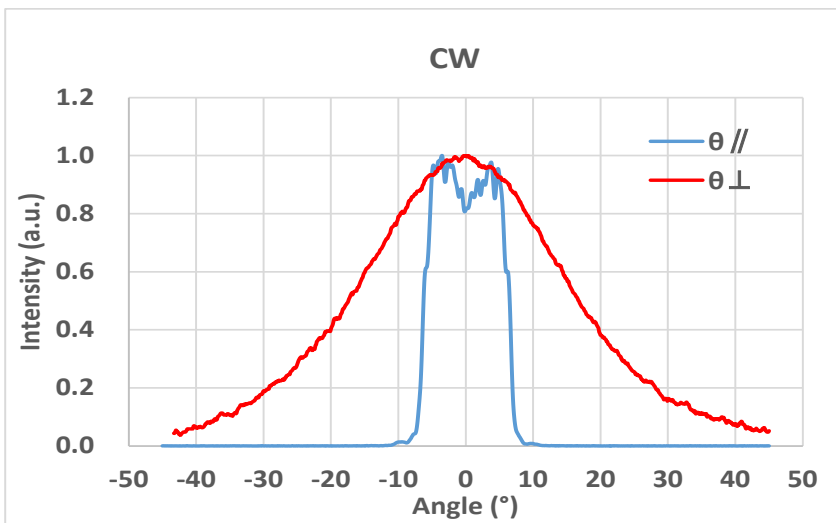
( $T_c=25^\circ\text{C}$ , CW)

Item	Conditions	Characteristic value (TYP.)
Wavelength (Peak)	$P_o=2,500\text{mW}$	639nm
Output(mW)	—	2,500mW
Threshold current	—	600mA
Operating current	$P_o=2,500\text{mW}$	2,800mA
Operating voltage	$P_o=2,500\text{mW}$	2.4V
Far Field ( $1/e^2$ (°) )	$P_o=2,500\text{mW}$	$\theta_{//} 15, \theta_{\perp} 70$
Terminal connections	<a href="#">No.9</a>	<a href="#"><math>\phi 9.0</math></a>

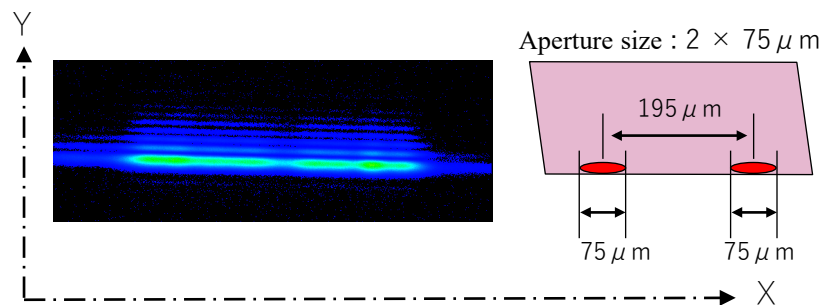
## CW I-L, I-V Temperature



## Far Field Pattern



## Near Field Pattern



Emitter size

	FWHM( $\mu\text{m}$ )	$1/e$ ( $\mu\text{m}$ )	$1/e^2$ ( $\mu\text{m}$ )
X	73.5	75.2	80.4
Y	3.1	3.6	4.9

