ROITHNER LASERTECHNIK GmbH
WIEDNER HAUPTSTRASSE 76 1040 VIENNA AUSTRIA
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09/2021

CHIP-660-P100

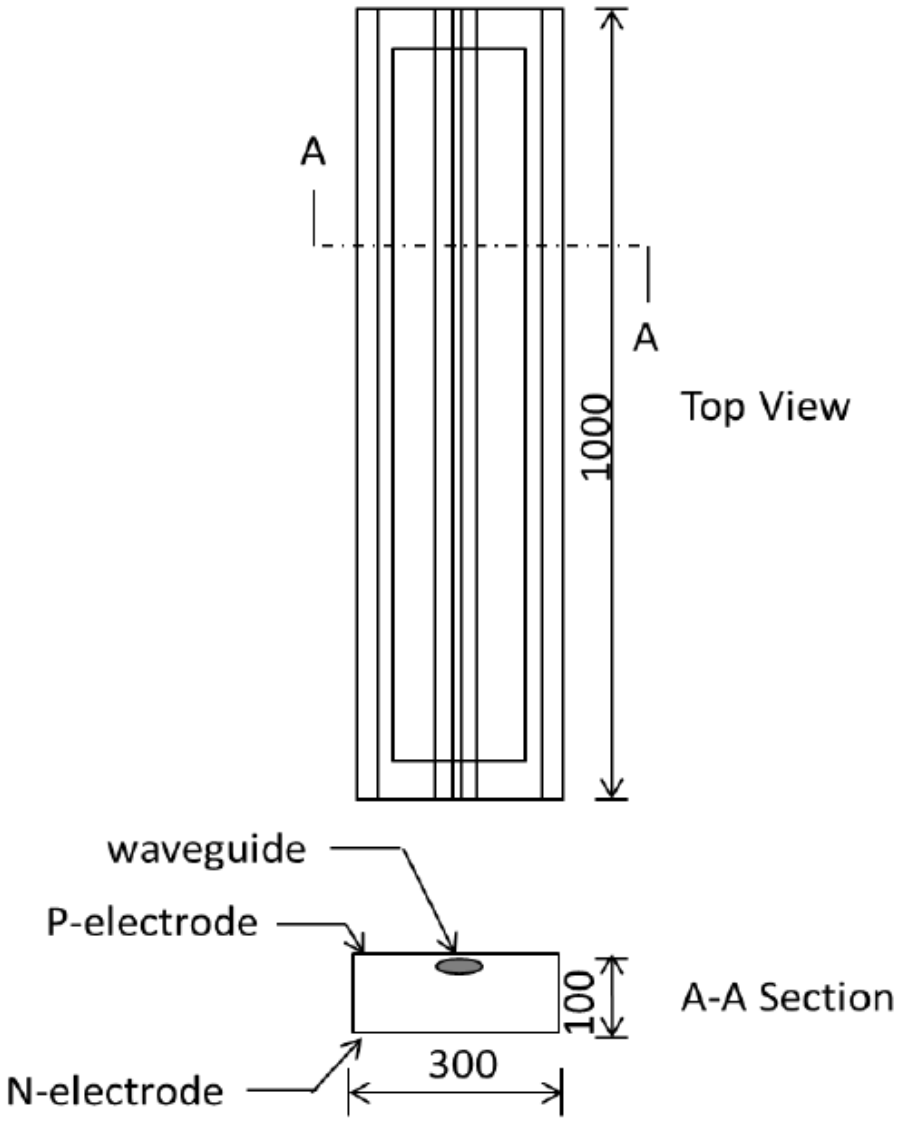
Features

1. Peak wavelength at 25°C : 660 nm (typical)
2. Standard light output : 100mW

Applications

1. Industry
2. Measuring instrument
3. Laser show ; Laser display
4. Medical application

External dimensions(Unit : μm)



P-electrode and N-electrode are both gold pads.

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■ Electrical and Optical Characteristics(Tc=25 ℃)

Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit
Threshold Current		Ith	Po=100mW	-	60	90	mA
Operating Current		Iop	Po=100mW	-	170	210	mA
Operating Voltage		Vop	Po=100mW	-	2.3	2.6	Volts
Slope Efficiency		η	Po=25-75mW	0.7	0.9	-	mW/mA
Beam Divergence	Parallel	θ //	Po=100mW	5	11	17	deg.
(FWHM)	Perpendicular	$\theta \perp$	Po=100mW	24	30	36	deg.
Lasing Wavelength		λ	Po=100mW	655	660	665	nm

◎ θ // and $\theta \perp$ are defined as the angle within which the intensity is 50% of the peak value.

◎Measuring Conditions : Pulse width=5 μ s , Duty cycle=1%

■ Quality Notice

This device is still under product development.