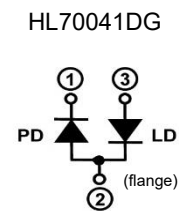


698nm Anti-Reflection Coated Laser Diode

Internal Circuit



Features

- ## Application

- External cavity diode lasers
- Tunable laser source instruments
- Light source of optical equipment

Absolute Maximum Ratings (Tc=25°C)

Item	Symbol	Ratings	Unit
Optical output power ^{Note1)}	Po	210	mW
Forward current ^{Note1)}	If	300	mA
LD reverse voltage	VR(LD)	2	V
PD reverse voltage	VR(PD)	30	V
Operating temperature	Topr	-10 ~ +75	°C
Storage temperature	Tstg	-40 ~ +85	°C

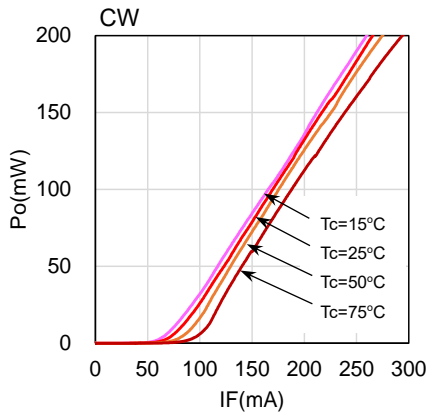
Note1) Either value must not be exceeded.

Optical and Electrical Characteristics (Tc=25°C)

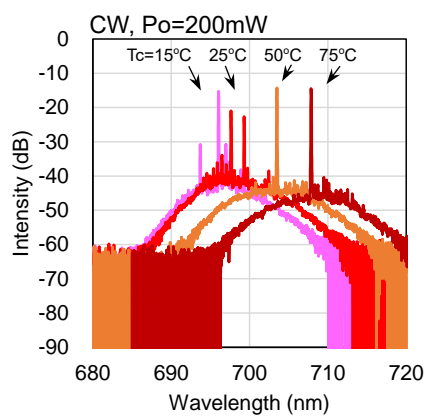
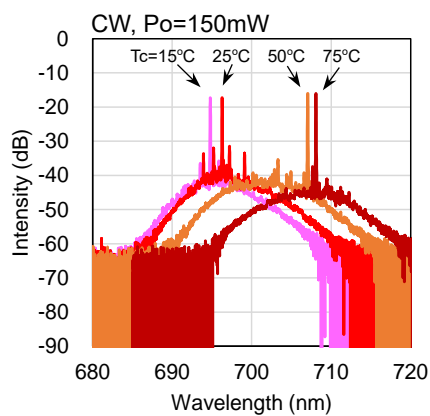
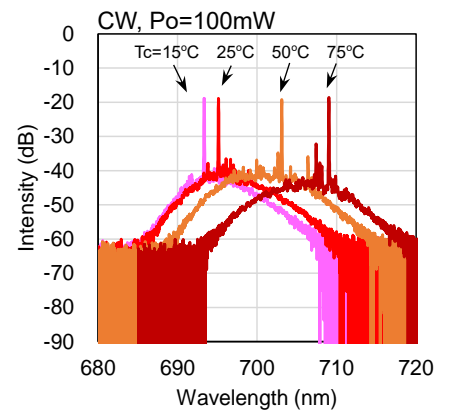
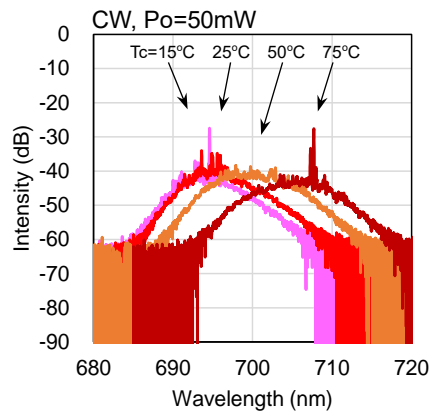
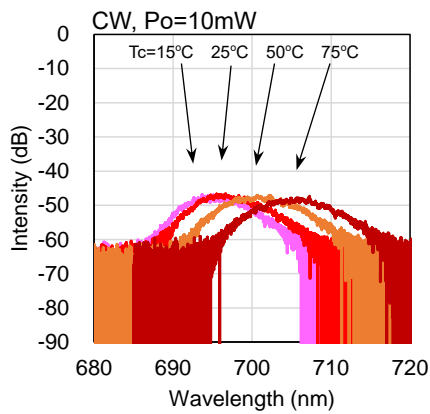
Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Threshold current	Ith	-	60	-	mA	-
Operating current	Iop	-	260	-	mA	Po=200mW
Operating voltage	Vop	-	2.7	-	V	Po=200mW
Wavelength	λ_p	-	698	-	nm	Po=200mW
Beam divergence Parallel to the junction	$\theta_{//}$	-	8	-	°	Po=200mW, FWHM
Beam divergence Perpendicular to the junction	θ_{\perp}	-	15	-	°	Po=200mW, FWHM

Example Characteristic Curves

Optical Output Power vs Forward Current



Spectrum



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