

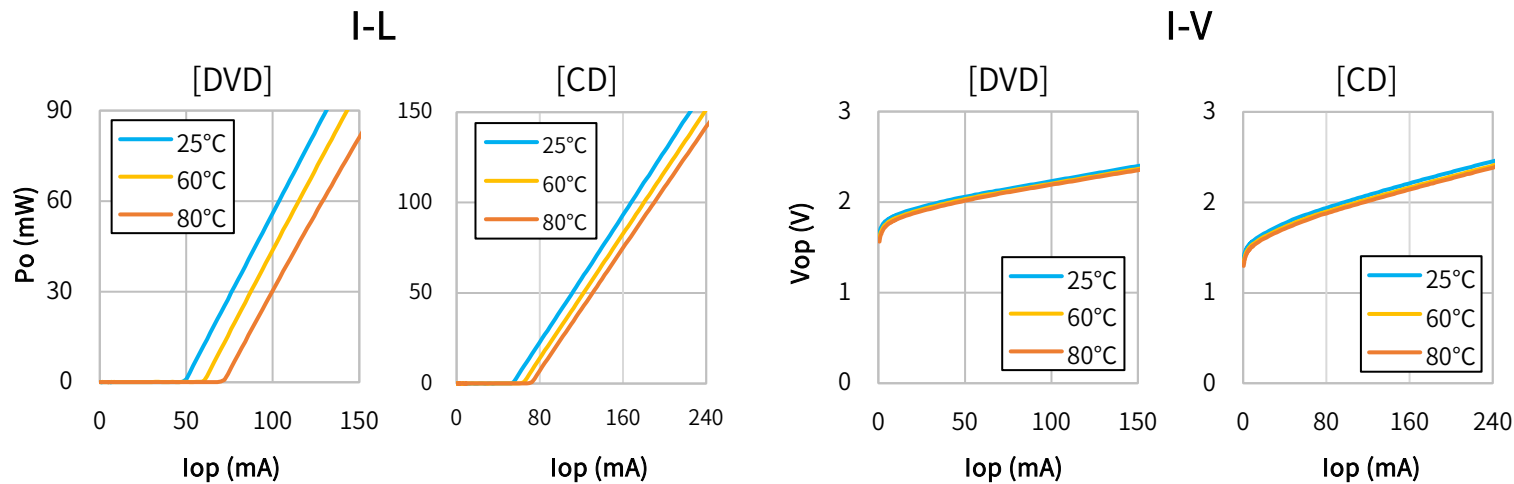


## Characteristics

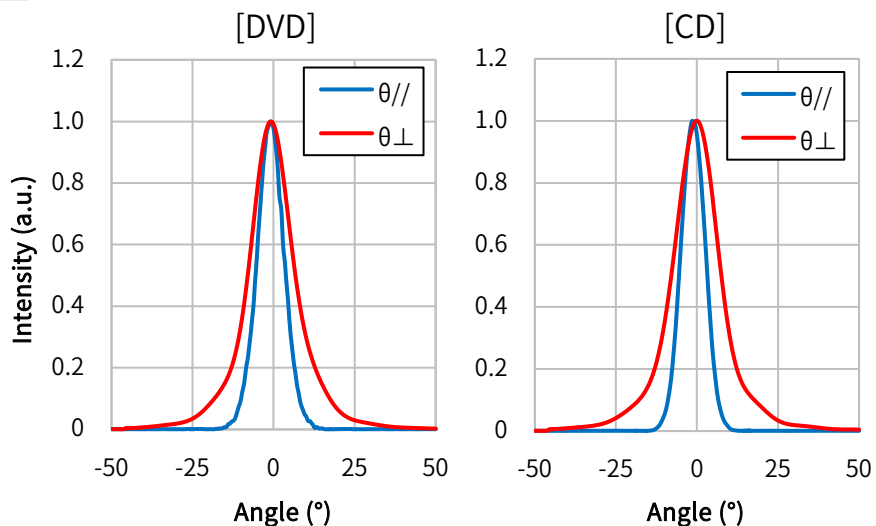
(Tc=25°C, CW)

Item	DVD Laser Diode		CD Laser Diode	
	Conditions	Characteristic value (TYP.)	Conditions	Characteristic value (TYP.)
Wavelength (Peak)	Po=90mW	661nm	Po=150mW	785nm
Output [Max]	—	90mW [90mW]	—	150mW [160mW]
Threshold current	—	50mA	—	53mA
Operating current	Po=90mW	134mA	Po=150mW	215mA
Operating voltage	Po=90mW	2.4V	Po=150mW	2.4V
Far Field (1/e <sup>2</sup> )	Po=90mW	$\theta_{//}$ 8.0-11.5 $\theta_{\perp}$ 7.0-10.5	Po=150mW	$\theta_{//}$ 13.5-19.0 $\theta_{\perp}$ 13.0-18.0
Terminal connections	<a href="#">No.7</a>		<a href="#">t1.8</a>	

## CW I-L, I-V Temperature

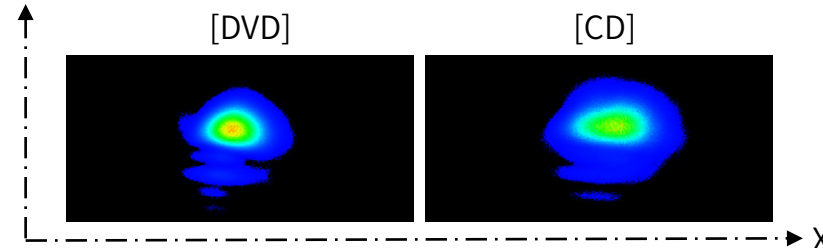


## Far Field Pattern



## Near Field Pattern

Emission point interval : 90um



Emitter size

	FWHM ( $\mu\text{m}$ )		1/e ( $\mu\text{m}$ )		1/e <sup>2</sup> ( $\mu\text{m}$ )	
	[DVD]	[CD]	[DVD]	[CD]	[DVD]	[CD]
X	1.8	2.7	2.2	3.2	3.2	4.4
Y	1.2	1.2	1.4	1.4	1.9	2.1

