

Specifications:

Wavelength: **785 nm**

Light Output: **60 mW CW mW**

Package Type: **TO-18 (Φ5.6 mm) TO56**

Absolute Maximum Ratings(Tc=25°C)

Parameter	Symbols	Ratings	Units
Optical Output	Po	60	mW
Reverse Voltage	Vr	2	V
Photo diode	Vr(PD)	30	V
Operating Temperature	Top	- 10 ~ 60	°C
Storage Temperature	Tstg	- 20 ~ 85	°C

Electrical and Optical Characteristics(Tc=25°C)

Parameter	Symbols	Min	Typ.	Max	Unit.
Threshold Current	I _{th}	15	25	35	mA
Operating Current	I _{op}	70	100	130	mA
Operating Voltage	V _{op}		2.0	2.5	Volt
Slope Efficiency	η	0.7	0.9	1.2	mW/mA
Monitor Current	I _m		-		mA
Beam Divergence	$\theta_{//}$	7	10	13	deg.
(FWHM)	$\theta_{\perp}$	17	21	25	deg.
Central wavelength	λ	778	784	790	±10nm