





◆ ABSOLUTE MAXIMUM RATING at Tc=25°C

Items	Symbols	Values	Unit
Optical Output Power	P	7	mW
Laser Diode Reverse Voltage	V	2	V
Photo Diode Reverse Voltage	V	30	V
Operating Temperature	T <sub>opr</sub>	-10 ~ +50	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +85	°C

◆ ELECTRICAL and OPTICAL CHARACTERISTICS at Tc=25°C

Items	Symbols	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	P <sub>o</sub>	-	5	-	mW	-
Threshold Current	I <sub>th</sub>	-	17	30	mA	-
Operating Current	I <sub>op</sub>	-	24	35	mA	P <sub>o</sub> =5mW
Operating Voltage	V <sub>op</sub>	-	2.2	2.6	V	P <sub>o</sub> =5mW
Lasing Wavelength	λ <sub>p</sub>	650	655	660	nm	P <sub>o</sub> =5mW
Beam Divergence	θ <sub>  </sub>	6	9	12	deg	P <sub>o</sub> =5mW
	θ <sub>⊥</sub>	22	29	38	deg	P <sub>o</sub> =5mW
Beam Angle	Δθ <sub>  </sub>	-	-	±1.5	deg	P <sub>o</sub> =5mW
	Δθ <sub>⊥</sub>	-	-	±2.5	deg	P <sub>o</sub> =5mW
Monitor Current	I <sub>m</sub>	0.1	0.2	0.5	mA	P <sub>o</sub> =5mW
Optical Distance	ΔX, ΔY, ΔZ	-	-	±80	μm	-