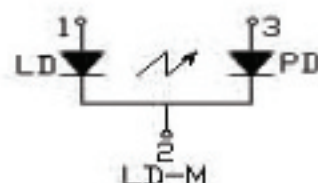


**HLD40535M6J**      **405nm**    **35mW**    **60°C**      **Laser Diodes**    **AUTO**    **PACKAGE****■ Specifications**

Wavelength:	405nm
Light Output:	35mW    CW(pulse:50mw)
Package Type:	TO-18(Φ 5.6mm)

**■ Absolute Maximum Ratings (Tc=25°C)**

Parameter	Symbols	Ratings	Units	
Optical Output	Po(CW)	35	mW	
Reverse Voltage	Laser	Vr	2	V
	PIN PD	Vr (PIN)	30	V
Operating Temperature	Top	-0 ~ +60	°C	
Storage Temperature	Tstg	-40 ~ +80	°C	

**■ Electrical and optical Characteristics(Tc=25°C)**

Parameter	Symbols	Conditions	Min	Typ	Max	Units
Threshold Current	Ith	-	-	38	55	mA
Operating Current	Iop	Po=35mW	-	75	100	mA
Operating Voltage	Vop	Po=35mW	-	4.8	6.0	Volts
Slope Efficiency	η	-	0.6	1.0	-	mW/mA
Efficiency		-				
Monitor Current	Im	Po=35mW	0.1	0.2	1.0	mA
Beam Divergence (FWHM)	Parallel	Po=35mW	6	9	14	deg
	Perpendicular	Po=35mW	16	20	24	deg
Parallel Deviation Angle	Δθ	Po=35mW	-3	-	3	deg
Perpendicular Deviation Angle	Δθ ⊥	Po=35mW	-2	-	2	deg
Lasing Wavelength	λp	Po=35mW	395	405	415	nm

Im is sorting by custom's need

© θ || and θ ⊥ are defined as the angle within which the intensity is 50% of the peak value.