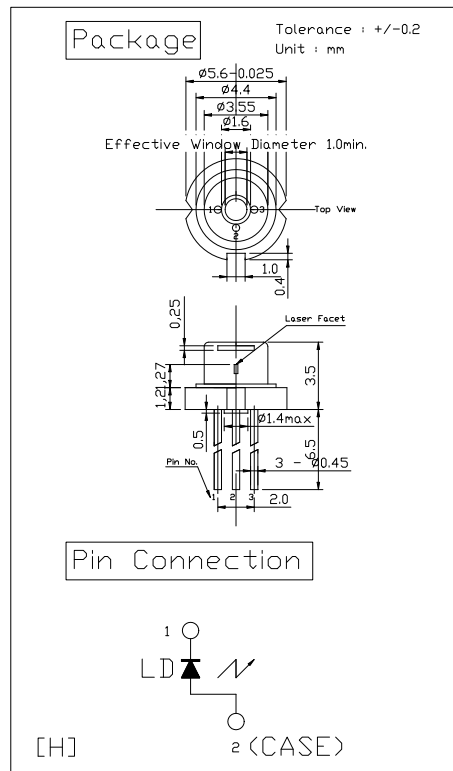


**A Professional Laser Manufacturer and Supplier****HLD980200H4T 980nm 200mW 40°C Laser Diodes****■ Specifications**

Wavelength: 980nm
Light Output: 200mW CW
Package Type: TO-18(Φ5.6mm)

■ Absolute Maximum Ratings (Tc=25°C)

Parameter	Symbols	Ratings	Units
Optical Output	Po(CW)	200	mW
Reverse Voltage	Vr	2	V
Operating Temperature	Top	-10 ~ +40	°C
Storage Temperature	Tstg	-40 ~ +80	°C

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

Parameter		Symbols	Conditions	Min	Typ	Max	Units
Threshold Current		Ith	-	-	65	105	mA
Operating Current		Iop	Po=200mW	-	320	360	mA
Operating Voltage		Vop	Po=200mW	-	1.6	2.1	Volts
Slope Efficiency		η	-	0.5	0.8	-	mW/mA
Beam Divergence (FWHM)	Parallel	$\theta \parallel$	Po=200mW	8	12	14	deg
	Perpendicular	$\theta \perp$	Po=200mW	30	35	40	deg
Parallel Deviation Angle		$\Delta \theta \parallel$	Po=200mW	-3	-	3	deg
Perpendicular Deviation Angle		$\Delta \theta \perp$	Po=200mW	-3	-	3	deg
Emission Point Accuracy		$\Delta X, \Delta Y, \Delta Z$	Po=200mW	-80	-	80	um
Lasing Wavelength		λ_p	Po=200mW	965	980	995	nm

Im is sorting by custom's need

© $\theta \parallel$ and $\theta \perp$ are defined as the angle within which the intensity is 50% of the peak value.