



A Professional Laser Manufacturer and Supplier

HLD980300H4T 980nm 300mW 40°C Laser Diode

■ Specifications

Wavelength: 980nm
 Light Output: 300mW CW
 Package Type: TO-18(Φ5.6mm)

■ Absolute Maximum Ratings (Tc=25°C)

Parameter	Symbols	Ratings	Units
Optical Output	Po(CW)	300	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=300mW	-	450	500	mA
Operating Voltage		Vop	Po=300mW	-	1.6	2.1	Volts
Slope		η	-	0.5	0.8	-	mW/mA
Efficiency			-				
Beam Divergence (FWHM)	Parallel	θ ∥	Po=300mW	8	12	14	deg
	Perpendicular	θ ⊥	Po=300mW	30	35	40	deg
Parallel Deviation Angle		△ θ ∥	Po=300mW	-3	-	3	deg
Perpendicular Deviation Angle		△ θ ⊥	Po=300mW	-3	-	3	deg
Emission Point Accuracy		△X,△Y,△Z	Po=300mW	-80	-	80	um
Lasing Wavelength		λ p	Po=300mW	965	980	995	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.

<http://www.laserland.com> E-mail:sales@laserland.com

Wuhan Besram Technology Inc

Laserland; Laserlands are trademarks ownde by Besram Technology Inc.