

VISIBLE LASER PRODUCTS

(LASER DIODE)

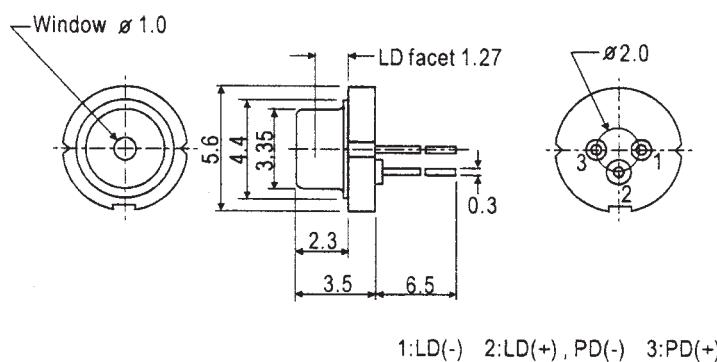
REV:B
DATE:2001/1/8

ESD PRODUCT !

匯展工程
90.1.08
發行章

DEVICE NO:HLDP-650-A-5-01 (650nm, 5mW, TO-18 no glass)

PACKAGE DIMENSIONS:



NOTE:
 1. All dimensions are in millimeter.
 2. Lead spacing is measured where the lead emerge from the package.
 3. specifications are subject to change without notice.
 4. Tolerance is 0.25mm unless otherwise noted.

ABSOLUTE MAXIMUM RATINGS:

TA=25°C

PARAMETER	SYMBOL	MAX. RATING	UNIT
Optical Output	Po	7	mW
Reverse Voltage	Laser	2	V
	PIN PD	30	V
Operating Temperature	Topr	0 ~ +40	°C
Storage Temperature	Tstg	-15 ~ +85	°C
Lead Soldering Temperature (1.6mm from case Bottom 260 °C for 5 seconds)			

ELECTRIC-OPTICAL CHARACTERISTICS:

TA=25°C

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Threshold Current	Ith	---	---	20	25	mA
Operating Current	Iop	Po=5mW	---	25	40	mA
Operating Voltage	Vop	---	2.1	2.3	2.6	V
Slope Efficiency	η	3-1mW / I3-I1mW	0.8	1	1.1	mW/mA
Monitor Current	Im	Po=5mW	0.1		0.7	mA
Beam Divergence (FWHM)	Parallel	$\theta_{//}$	Po=5mW	6.5	7.5	Degree
	Perpendicular	θ_{\perp}	Po=5mW	32	38	Degree
Lasing Wavelength	λ	Po=5mW	645	650	660	nm

*1. $\theta_{//}$ and θ_{\perp} are defined as the angle within which the intensity is 50% of the peak value.

管制文件
禁止複製