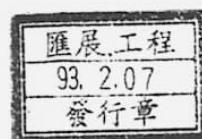


VISIBLE LASER PRODUCTS

(LASER DIODE)

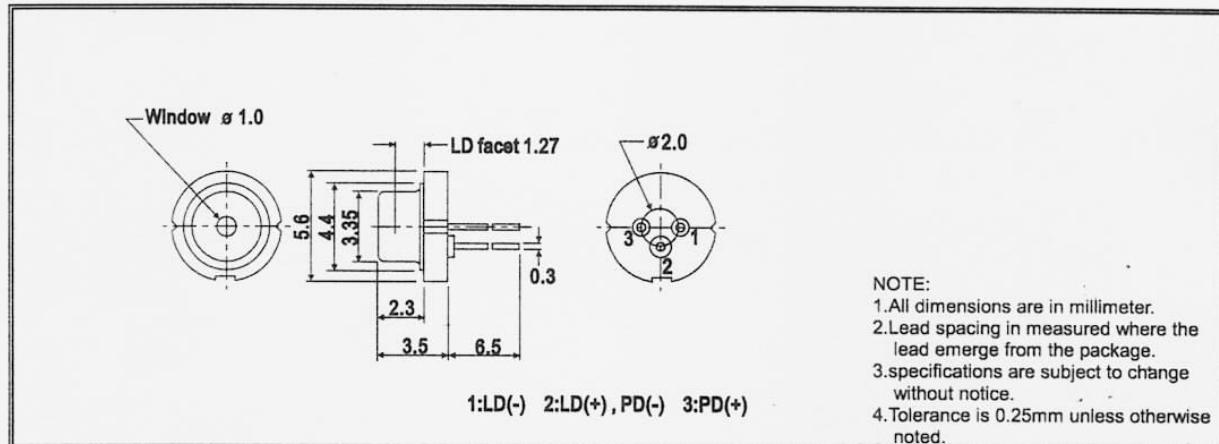
ESD PRODUCT !



REV:C
DATE:2004/2/7

DEVICE NO:HLDP-650-A-5-02 (650nm, 5mW, TO-18 no glass)

PACKAGE DIMENSIONS:



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	0 ~ +40	°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	---	30	40	mA
Operating Voltage	Vop	Po=5mW	---	2.3	2.6	V
Slope Efficiency	η	2mW / I(3mW)-I(1mW)	0.3	0.7	1.0	mW/mA
Monitor Current	Im	Po=5mW	---	20	80	uA
Beam Divergence (FWHM)	Parallel	θ//	Po=5mW	5	8	Degree
	Perpendicular	θ⊥	Po=5mW	25	33	Degree
Lasing Wavelength	λ	Po=5mW	645	650	660	nm

*1. θ// and θ⊥ are defined as the angle within which the intensity is 50% of the peak value.

管制文件

