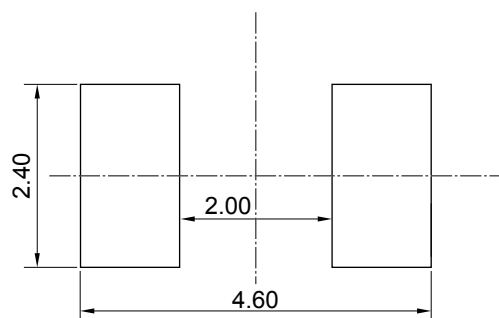
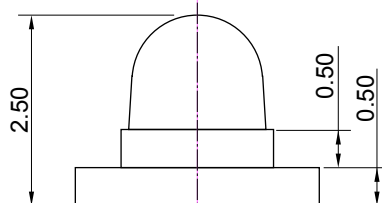
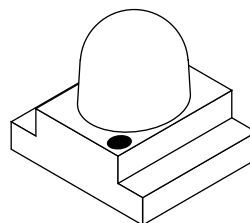
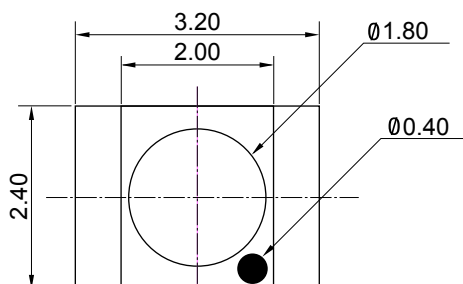
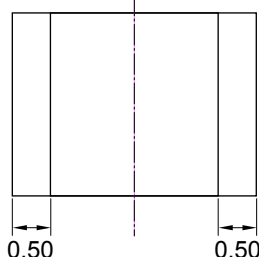


LB113BLC



RECOMMEND PAN LAYOUT



NOTES:

- 1.All dimensions are in millimeters.
- 2.Tolerances are +/-0.1mm unless otherwise noted.

Absolute maximum ratings(Ta=25°C):

Parameter	Symbol	Value	Unit	Item	Materials
Forward current	I _f	30	mA	Resin(mold)	Epoxy
Reverse voltage	V _r	5	V	Bonding Wire	25 um Au
Power dissipation	P _d	120	mW	Lens color	water transparent
Operating temperature range	T _{op}	-20 ~ +80	°C	Printed circuit board	BT (white)
Storage temperature range	T _{stg}	-20 ~ +80	°C	Dice	GaInN
Peak pulsing current (1/8 duty f=1kHz)	I _{fg}	125	mA	Emitted color	Blue

Electro - optecal characteristics(Ta=25°C)

Parameter	Test Condition	Symbol	Value			Unit
			Min	Typ	Max	
Wavelength at peak emission	I _f =20mA	peak	460	465	470	nm
Spectral half bandwidth	I _f =20mA			40		nm
Dominant wavelength	I _f =20mA	dom		470		nm
Forward voltage	I _f =20mA	V _f		3.5	4	V
Luminous intensity *	I _f =20mA	I _v	400			mcd
Viewing angle at 50% I _v	I _f =10mA	2 1/2		15		Deg
Reverse current	V _r =5V	I _r			10	uA

*Note:Luminous intensity tolerance is +/- 10%.