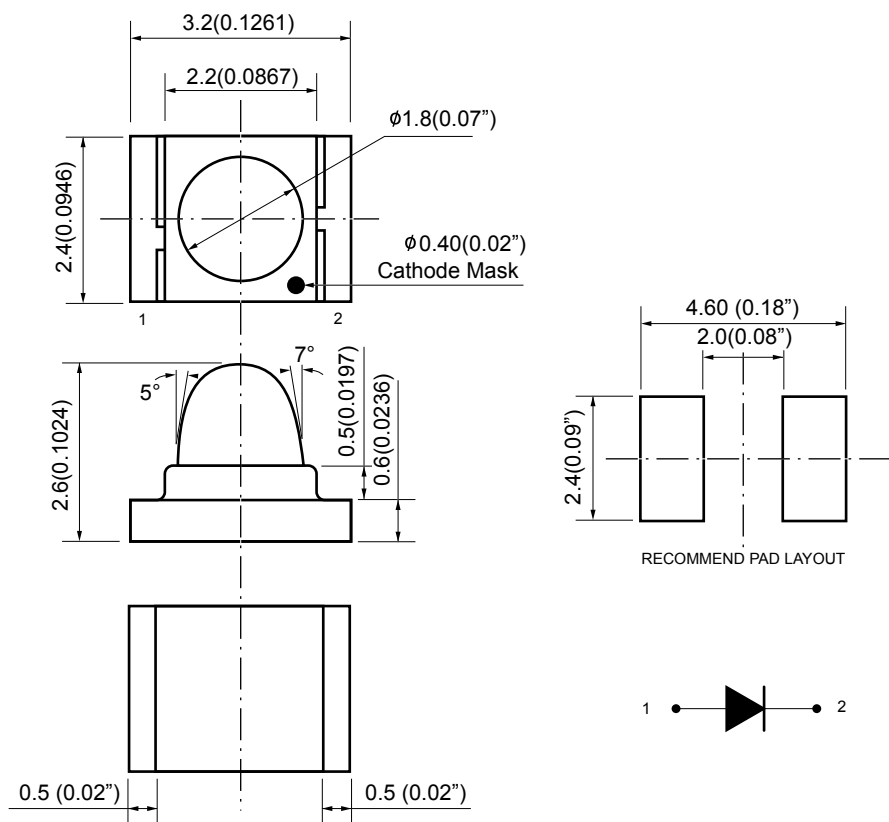


LB113IC



Absolute maximum ratings($T_a=25^{\circ}\text{C}$):

Parameter	Symbol	Value	Unit	Item	Materials
Forward current	I_f	30	mA	Resin(mold)	Epoxy
Reverse voltage	V_r	5	V	Bonding Wire	25 μm Au
Power dissipation	P_d	75	mW	Lens color	water transparent
Operating temperature range	T_{op}	$-20 \sim +80$	$^{\circ}\text{C}$	Printed circuit board	BT (white)
Storage temperature range	T_{stg}	$-20 \sim +80$	$^{\circ}\text{C}$	Dice	AllnGap
Peak pulsing current (1/8 duty $f=1\text{kHz}$)	I_{fg}	125	mA	Emitted color	Yellow

Electro - optecal characteristics($T_a=25^{\circ}\text{C}$)

Parameter	Test Condition	Symbol	Value			Unit
			Min	Typ	Max	
Wavelength at peak emission	$I_f=20\text{mA}$	peak	590	595	600	nm
Spectral half bandwidth	$I_f=20\text{mA}$			20		nm
Dominant wavelength	$I_f=20\text{mA}$	dom		590		nm
Forward voltage	$I_f=20\text{mA}$	V_f		2.0	2.5	V
Luminous intensity *	$I_f=20\text{mA}$	I_v		1600		mcd
Viewing angle at 50% I_v	$I_f=10\text{mA}$	$2 \times 1/2$		15		Deg
Reverse current	$V_r=5\text{V}$	I_r			10	μA

*Note:Luminous intensity tolerance is $\pm 10\%$.