

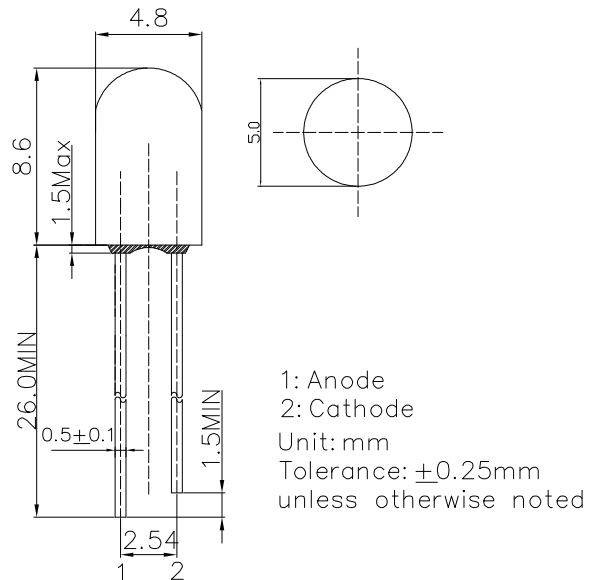
■Features

- 5mm Round Standard Directivity
- UV Resistant Epoxy
- RoHS Compliant
- Red Diffused Type
- Ammo Pack

■Applications

- Toys
- Games
- Audio
- Christmas Light

■Outline Dimension



■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	30	mA
Pulse Forward Current#	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	78	mW
Operating Temperature	T_{opr}	-30~+85	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T_{sol}	260°C/5sec	-

#Pulse width Max.10ms , Duty ratio max 1/10

■Electrical -Optical Characteristics

(Ta=25°C)

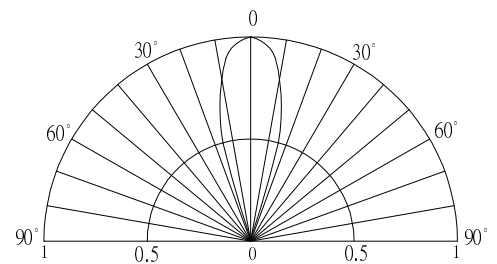
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V_F	$I_F=20\text{mA}$	-	2.1	2.6	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength*2	λ_D	$I_F=20\text{mA}$	630	640	650	nm
Luminous Intensity*3	I_v	$I_F=20\text{mA}$	100	150	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	30	-	deg

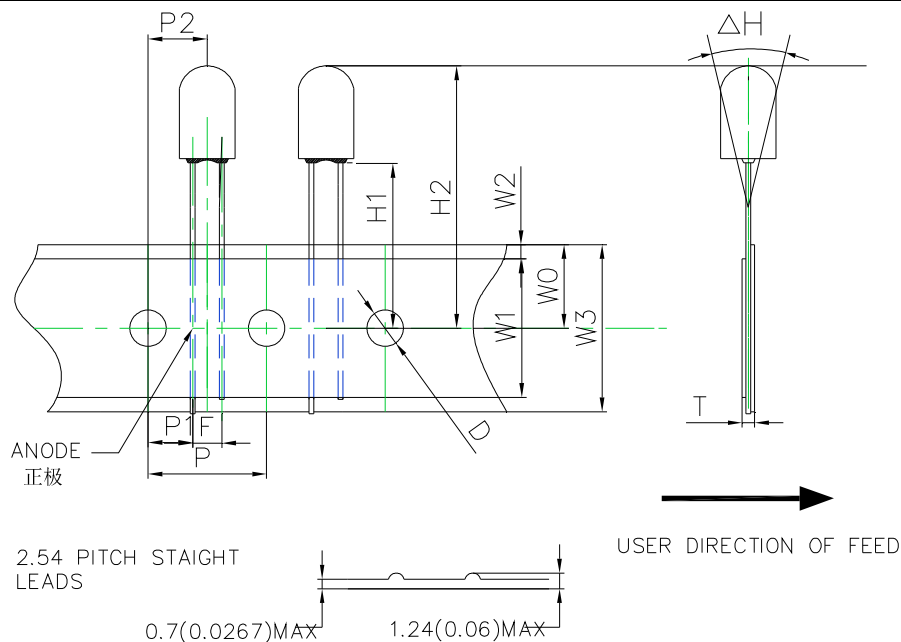
*1 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$

*2 Tolerance of measurements of dominant wavelength is $\pm 1\text{nm}$

*3 Tolerance of measurements of luminous intensity is $\pm 15\%$

■Directivity





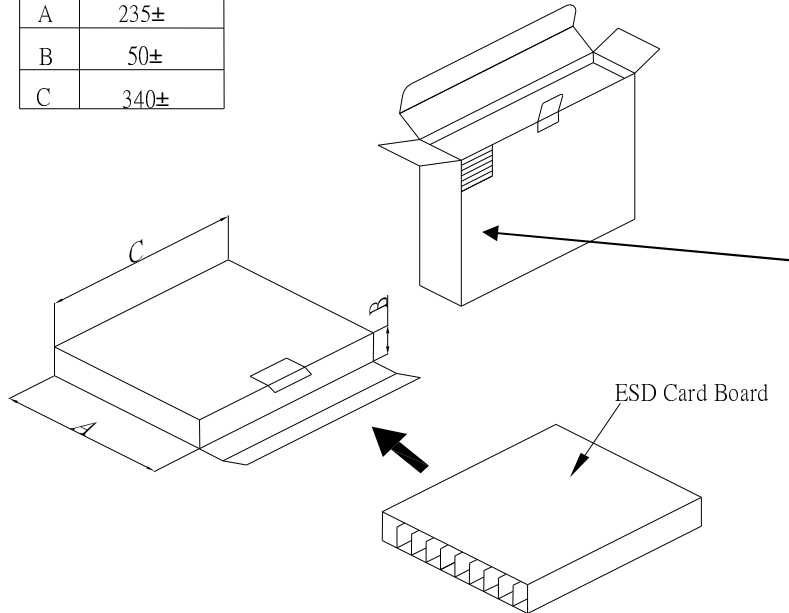
Taping Outline Dimensions

ITEM	SYMBOL	SPECIFICATION			
		Millimeter		Inch	
		Size	Tolerance	Size	Tolerance
Tape Feed Hole Diameter	D	4.0	±0.2	0.157	±0.008
Component Lead Pitch	F	2.54	±0.3	0.197	±0.012
Front To Rear Deflection	Δ H	-	MAX2.0	-	MAX0.079
Feed Hole To Bottom Of Component	H1	21.5	±0.5	0.846	±0.020
Feed Hole To Overall Component Height	H2	30.2	±0.5	1.189	±0.020
Feed Hole Pitch	P	12.7	±0.3	0.5	±0.012
Lead Location	P1	5.0	±0.7	0.197	±0.027
Center Component Location	P2	6.35	±1.3	0.25	±0.051
Overall Taped Package Thickness	T	-	MAX1.42	-	MAX0.056
Feed Hole Location	W0	9.0	±0.5	0.354	±0.020
Adhesive Tape Width	W1	13.0	±0.5	0.512	±0.020
Adhesive Tape Position	W2	-	MAX4.0		MAX0.157
Taped Width	W3	18.0	±0.5	0.709	±0.020

Packing

Unit: mm

A	235±
B	50±
C	340±

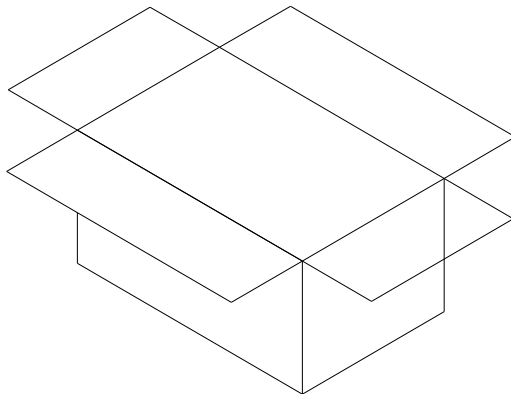


1.Package: Box(2000pcs/box)

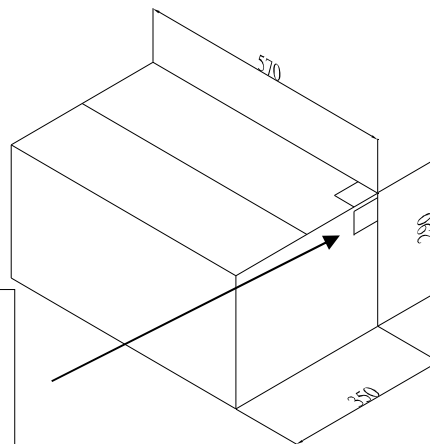
2.Indication: Below indicate the label
Details which affix to box.

LED LAMPS	
PART NO:	_____
LOT NO:	_____
IV:	_____
VF:	_____
COLOR:	_____
QTY:	_____
QC:	_____

3.Packaging methods: 10 Boxes/carton



LED LAMPS	
PART NO:	_____
LOT NO:	_____
IV:	_____
VF:	_____
COLOR:	_____
QTY:	_____
QC:	_____



3.1 There are 10 Boxes in carton, totally 20,000pcs/carton.

3.2 The dimension of outer carton is 480*355*275mm.