

■ Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- UV Resistant Epoxy
- Water Clear Type
- Ammo Pack

■ Applications

- Traffic signal, Portable light source
- Signage and channel letter
- Decorating and entertainment lighting
- Architectural lighting
- Outdoor/Indoor applications/Other Lighting

■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	50	mA
Pulse Forward Current#	I _{FP}	120	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	130	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)

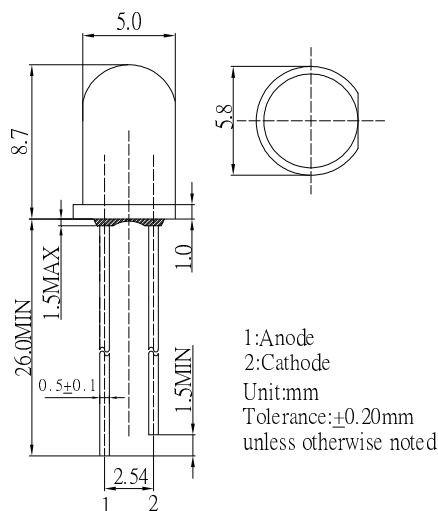
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V _F	I _F =20mA	-	2.1	2.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength*2	λ _D	I _F =20mA	620	625	630	nm
Luminous Intensity*3	I _v	I _F =20mA	15000	20000	-	mcd
50% Power Angle	2θ _{1/2}	I _F =20mA	-	30	-	deg

*1 Tolerance of measurements of forward voltage is ±0.1V

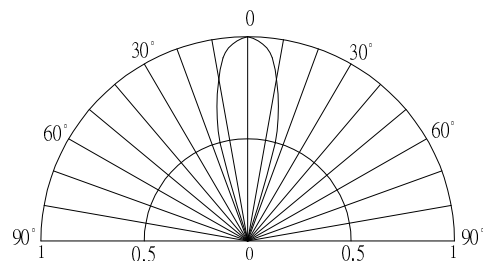
*2 Tolerance of measurements of dominant wavelength is ±1nm

*3 Tolerance of measurements of luminous intensity is ±15%

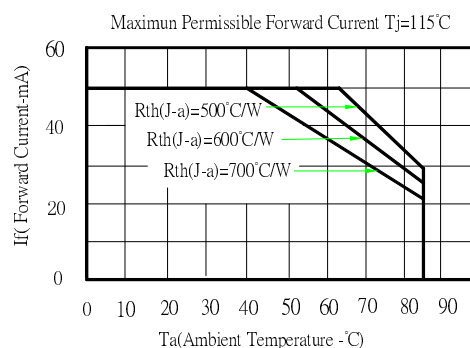
■ Outline Dimension



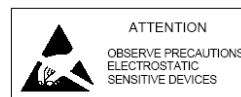
■ Directivity

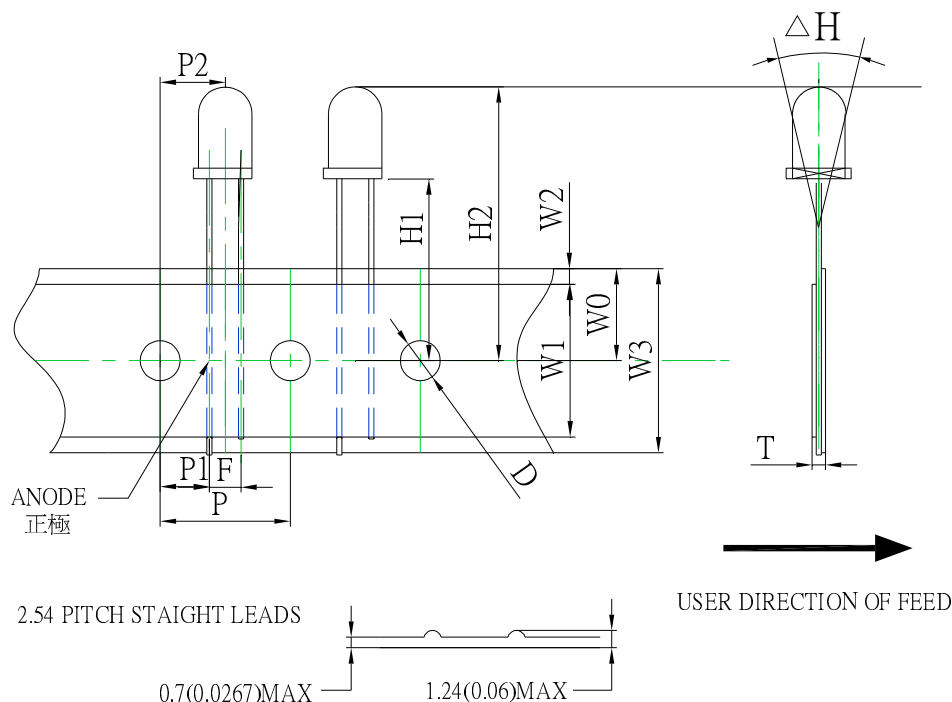


■ Maximum Forward DC Current



LED & Application Technologies





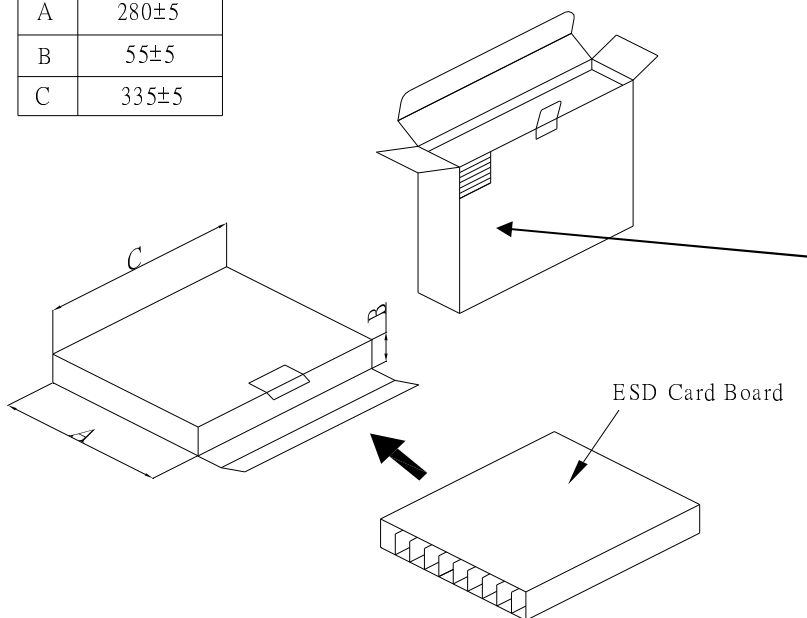
Taping Outline Dimensions

ITEM	SYMBOL	SPECIFICATION			
		Millimeter		Inch	
		Size	Tolerance	Size	Tolerance
Tape Feed Hole Diameter	D	4.0	±0.2	0.157	±0.001
Component Lead Pitch	F	2.54	±0.3	0.197	±0.020
Front To Rear Deflection	Δ H	-	MAX2.0	-	MAX0.079
Feed Hole To Bottom Of Component	H1	21.5	±0.5	0.925	±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	±0.020
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	280±5
B	55±5
C	335±5

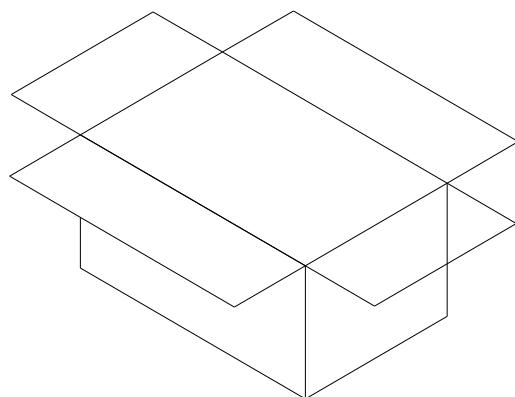


1.Package: Box(2000pcs/box)

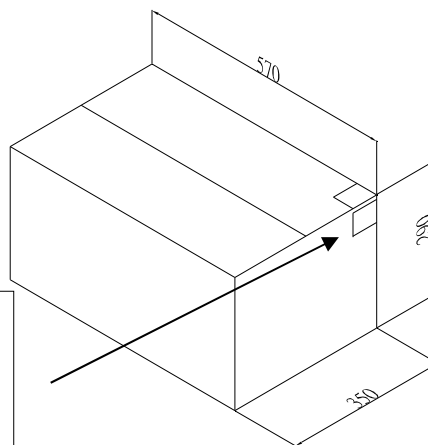
2.Indication: Below indicate the label
Details which affix to box.

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 570*350*290mm.