



EVERLIGHT ELECTRONICS CO.,LTD.

DEVICE NUMBER : DLE-912-209 REV : 1.0

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1.9mm Round Subminiature "Z-Bend" Lead (Square Base) LEDs

MODEL NO : 91-21UYC/S530-A2/TR10

Features :

- PACKAGE IN 12mm TAPE ON 7" DIAMETER REELS.
- COMPATIBLE WITH AUTOMATIC PLACEMENT EQUIPMENT.
- COMPATIBLE WITH INFRARED AND VAPOR PHASE REFLOW SOLDER PROCESS.
- EIA STD PACKAGE.
- I.C. COMPATIBLE.
- MONO-COLOR TYPE.

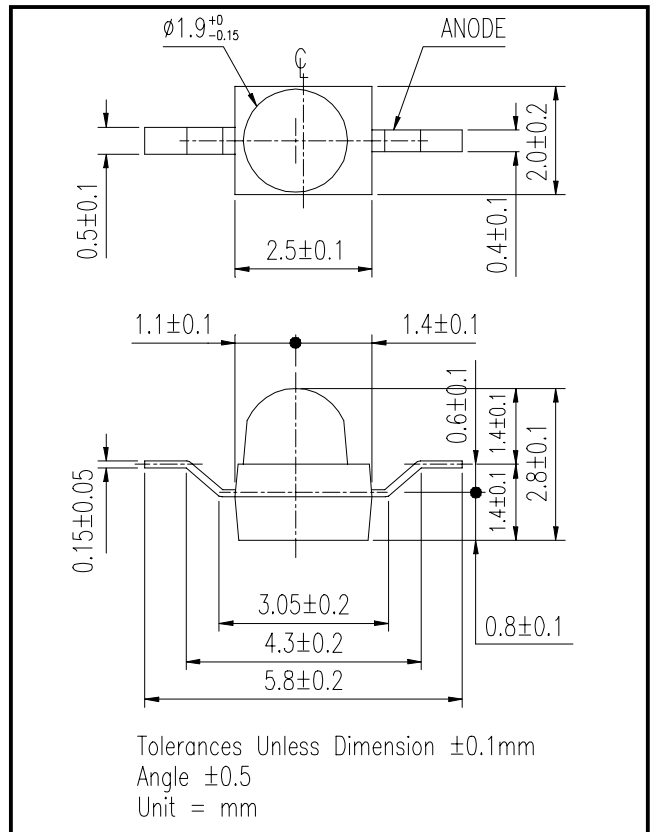
Description :

- THE 91-21 SMD TAPING IS MUCH SMALLER THAN LEADED COMPONENTS. THUS ENABLE SMALLER BOARD SIZE. HIGHER PACKING DENSITY. REDUCED STORAGE SPACE AND FINALLY SMALLER EQUIPMENT TO BE OBTAINED.
- BESIDES, LIGHT WEIGHT MAKES THEM IDEAL FOR MINIATURE APPLICATION, ECT.
- FURTHERMORE BY AUTOMATION ASSEMBLY MACHINES THE ACCURACY IS ANTICIPATED.

Applications :

- AUTOMOTIVE : BACKLIGHTING IN DASHBOARD AND SWITCH.
- TELECOMMUNICATION : INDICATOR AND BACKLIGHTING IN TELEPHONE AND FAX.
- INDICATOR AND BACKLIGHT FOR AUDIO AND VIDEO EQUIPMENT.
- INDICATOR AND BACKLIGHT FOR BATTERY DRIVEN EQUIPMENT.
- SMALL INDICATOR FOR OUTDOOR APPLICATIONS.
- INDICATOR AND BACKLIGHT IN OFFICE EQUIPMENT.
- FLAT BACKLIGHT FOR LCD, SWITCH AND SYMBOL.
- GENERAL USE.

Package Dimension :



PART NO.	CHIP		LENS COLOR
	MATERIAL	EMITTED COLOR	
91-21UYC/S530-A2/TR10	AlGaInP	Super Yellow	Water Clear

OFFICE : NO. 25, Lane 76, Sec.3, Chung Yang Rd., Tucheng 236, Taipei, Taiwan, R.O.C.

TEL : 886-2-2267-2000, 2267-9936

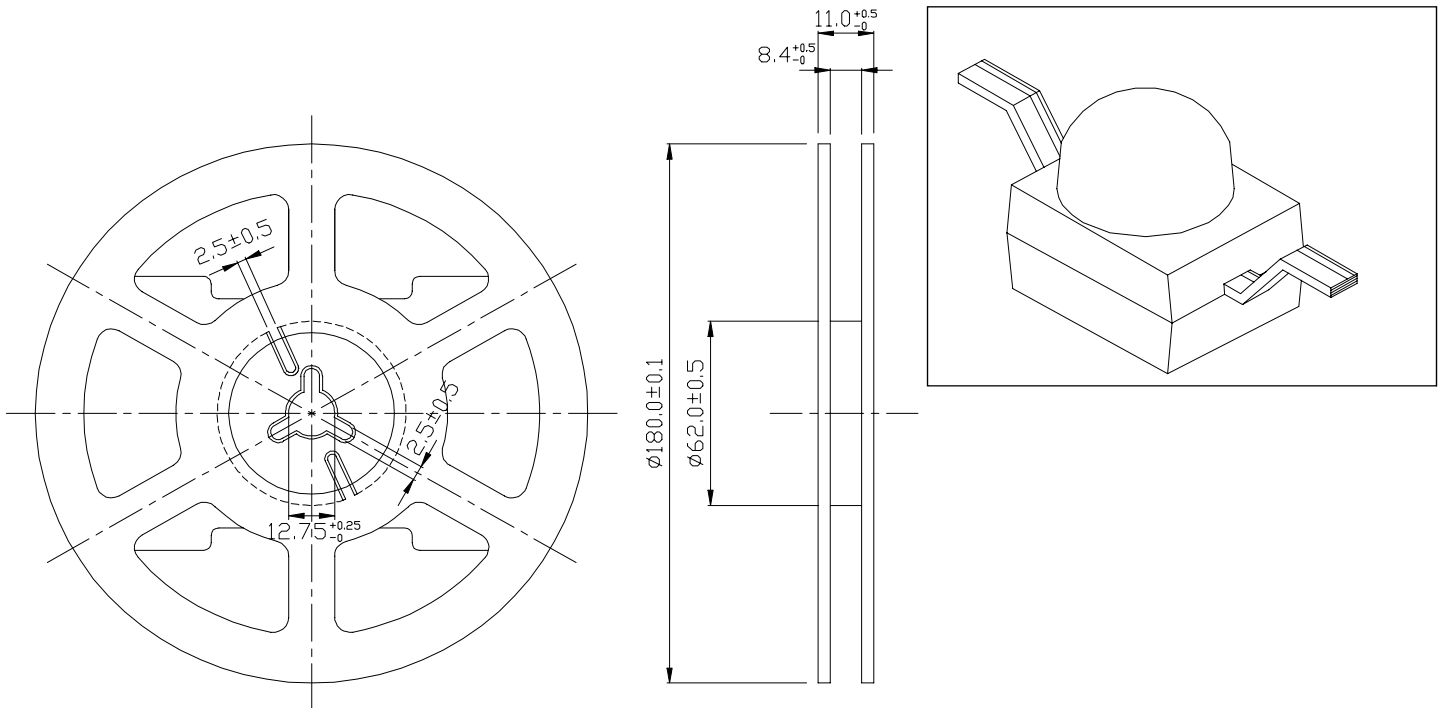
FAX : 886-2-2267-6244, 22676189, 22676306

<http://www.everlight.com>

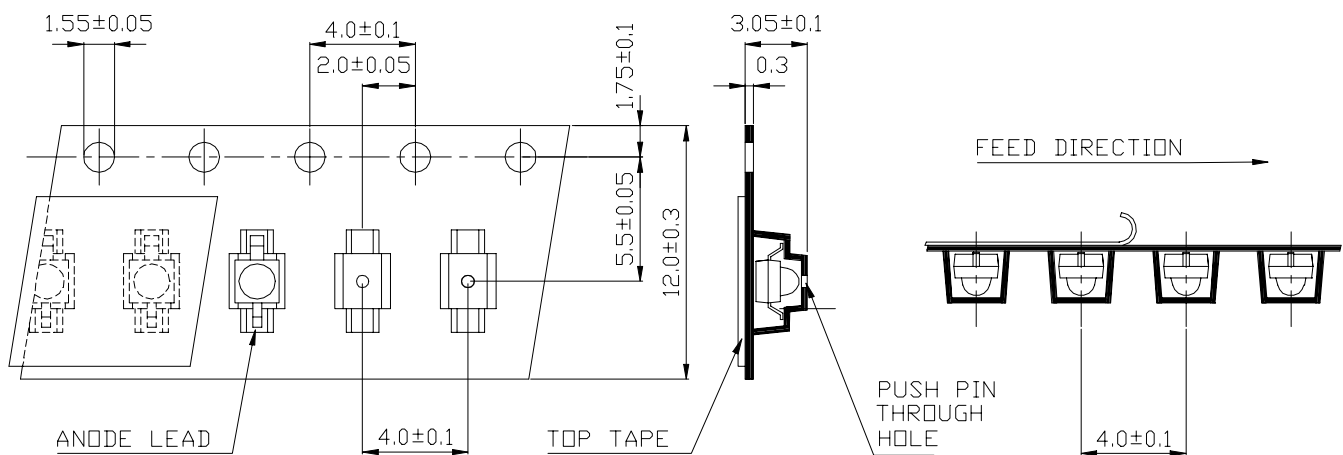
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■ Package Dimensions



■ Loaded Quantity Per Reel 1000 Pcs/Reel



1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. LEAD SPACING IS MEASURED WHERE THE LEAD EMERGE FROM THE PACKAGE
3. PROTRUDED RESIN UNDER FLANGE 1.5 mm (0.59") MAX.



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■ Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Rating	Unit
Reverse Voltage	Vr	5	V
Forward Current	If	25	mA
Operating Temperature	Topr	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +100	°C
Soldering Temperature	Tsol	260 ± 5 for 5 sec	°C
Electrostatic Discharge	ESD	2000	V
Power Dissipation	Pd	60	mW
Peak Forward Current(Duty 1/10 @ 1KHZ)	If(Peak)	160	mA

■ Electronic Optical Characteristics :

Parameter	Symbol	MIN.	TYP.	MAX.	Unit	Condition
Luminous intensity	Iv	----	30	----	mcd	If = 2mA
Luminous intensity	Iv	198	496	----	mcd	If = 20mA
Viewing Angle	2 θ 1/2	----	25	----	deg	
Peak Wavelength	λ p	----	591	----	nm	
Dominant Wavelength	λ d	----	589	----	nm	
Spectrum Radiation Bandwidth	△ λ	----	15	----	nm	
Forward Voltage	Vf	----	2.0	2.4	V	
Reverse Current	Ir	----	----	10	μ A	Vr=5V



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Typical Electro-Optical Characteristic Curres

