



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DLE-020-096

REV: 1.3

3mm Round Small Flange Without stand-off LEDs, T-1

PART NO : 204YD/E

ECN : _____

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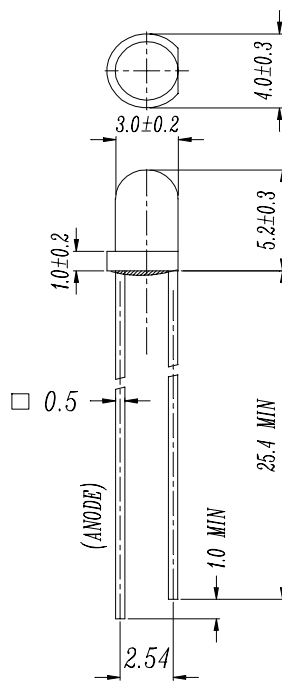
■ Features :

- Choice of various viewing angles
- Available on tape and reel
- Reliable and robust

■ Descriptions :

- The series is specially designed for applications requiring higher brightness
- The LED lamps are available with different colors, intensities, epoxy colors, etc.

■ Package Dimensions:



■ Applications :

- TV set
- Monitor
- Telephone
- Computer

■ Notes :

- 1.All dimensions are in millimeters.
- 2.An epoxy meniscus may extend about 1.5mm(0.059") down to the lead.
- 3.Tolerances unless dimension $\pm 0.25\text{mm}$

PART NO.	ChipP		Lens Color
	Material	Emitted Color	
204YD/E	GaAsP/GaP	Yellow	Yellow Diffused

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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Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Rating	Unit
Forward Current	IF	25	mA
Operating Temperature	Topr	-40 to +85	°C
Storage Temperature	Tstg	-40 to +100	°C
Soldering Temperature	Tsol	260 ± 5	°C
Power Dissipation	Pd	85	mW
Peak Forward Current(Duty 1/10 @ 1KHz)	IF(Peak)	160	mA
Reverse Voltage	VR	5	V

Electronic Optical Characteristics :

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	1.1	4.5	/	mcd	IF= 10 mA
Viewing Angle	2θ 1/2	/	70	/	deg	IF= 20 mA
Peak Wavelength	λ p	/	585	/	nm	IF= 20 mA
Dominant Wavelength	λ d	/	590	/	nm	IF= 20 mA
Spectrum Radiation Bandwidth	Δ λ	/	35	/	nm	IF= 20 mA
Forward Voltage	VF	1.7	2.0	2.4	V	IF= 20 mA
Reverse Current	IR	/	/	10	μ A	VR= 5 V



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■ Typical Electro-Optical Characteristic Curves

