

RED**T-1 Ultra Bright LED**High Performance
Ultra Bright LEDs

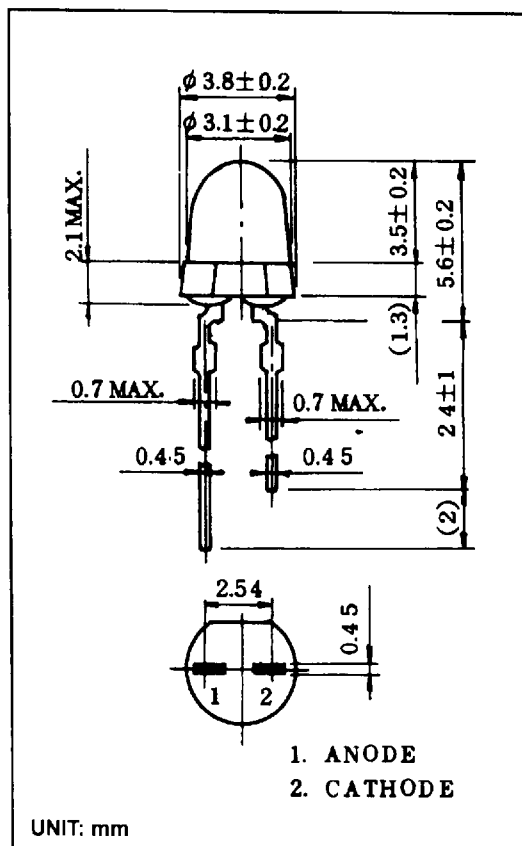
TLRA125

Product Features -

- GaAlAs Technology
- T-1 (3 mm) Package
- Water Clear Lens
- Wide Radiation Pattern

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current	I_F	25	mA
Reverse Voltage	V_R	4	V
Power Dissipation	P_D	55	mW
Operating Temperature	T_{opr}	-20 ~ 85	°C
Storage Temperature	T_{stg}	-30 ~ 100	°C



OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	$I_F = 20\text{mA}$	—	1.85	2.2	V
Reverse Current	I_R	$V_R = 4\text{V}$	—	—	100	μA
Luminous Intensity*	I_V	$I_F = 20\text{mA}$	85	300	—	mcd
Viewing Angle	$2\theta_{1/2}$	—	—	50	—	°
Peak Wavelength	λ_p	$I_F = 20\text{mA}$	—	660	—	nm
Dominant Wavelength	λ_d	$I_F = 20\text{mA}$	—	647	—	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F = 20\text{mA}$	—	25	—	nm

* Luminous Ranks: (P : 180-360mcd), (Q : 320-640mcd), (R : 560-1120mcd) Upper and lower limit tolerance $\pm 15\%$
Available in Two Bin Combinations. (PQ), (QR)



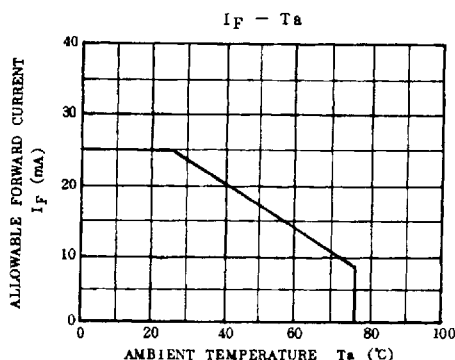
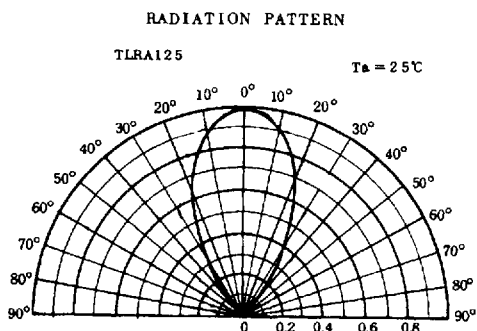
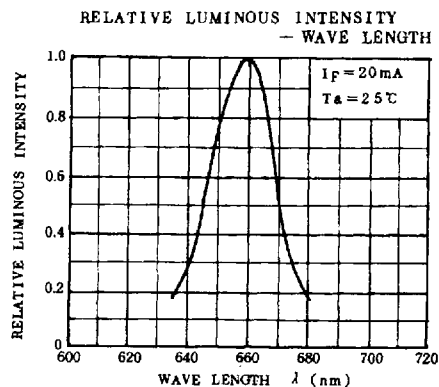
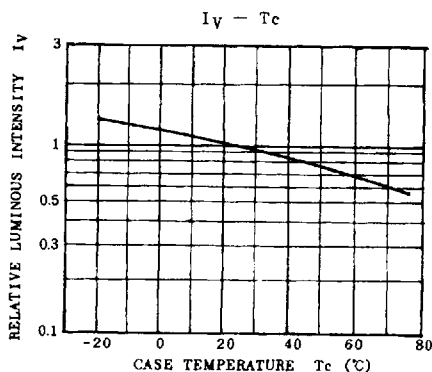
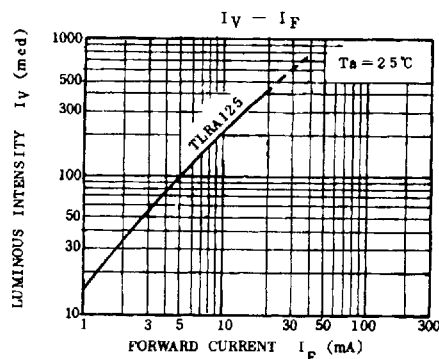
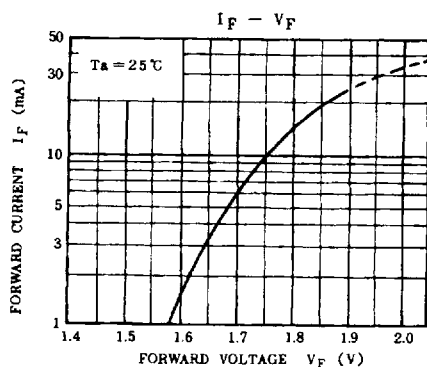
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5 Hemlock Street • Latham, New York 12110

Toll Free: (800) 98-4LEDS • Fax: (518) 786-6599

All specifications subject to change.

TLRA125 Graphs -



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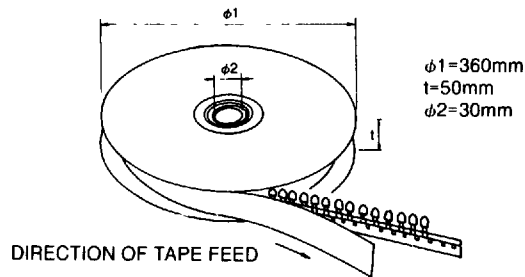
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APPLICATION NOTES

[4] Packaging Reel Packaging

a) Reel type



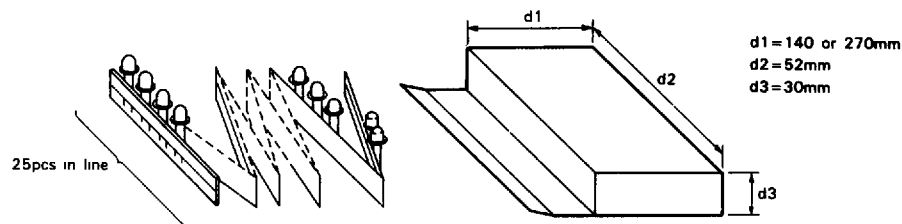
Content

LED Type	Quantity/Reel
$\phi 3$ Series	2000 pcs
$\phi 5$ Series	1000 pcs

T-1 and T- 1 3/4 packages

*Lamps with external shapes other than those above are also available. Please consult Marktech.

b) Zigzag wound tape



At tape beginning and end, there is additional space for 4 pcs or more

Content

LED Type	Quantity/Box
$\phi 3$ Series	2000 or 5000 pcs
$\phi 5$ Series	1000 or 2000 pcs



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