

Unit in mm

## LED Surface Mount Device

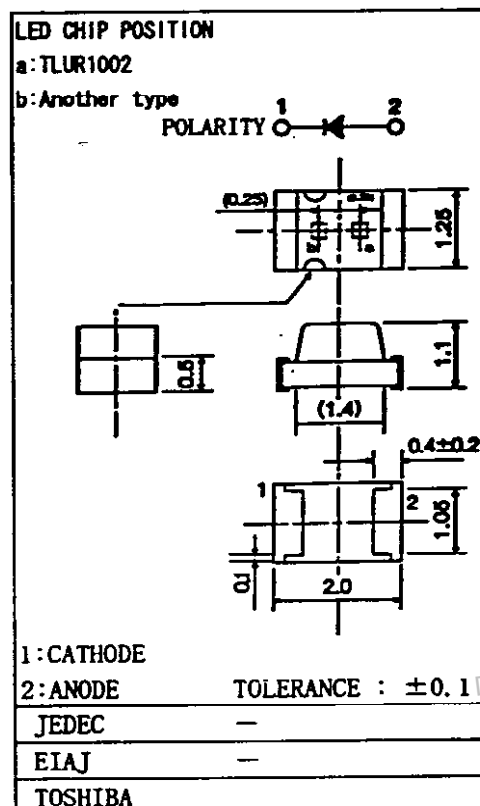
## Features

- 2.0(L) x 1.25(W) x 1.1(H) mm Size
  - Small Package - High Density Mounting is Available
- Available for Automounting Machine Use
- Reflow Soldering is Applicable
  - Recommended Forward Current:  $I_F = 10 \text{ mA (DC)}$
- Applications:
  - Telephone Cordless/Cellular
  - Portable Instrument
  - Backlight, etc.

## Line-Up

Product Name	Color	Material
TLY1002	Yellow	GaAsP
TLO1002	Orange	GaAsP
TLUR1002	Red	GaAlAs

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Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

Weight: 2mg

Product Name	Forward Current (DC) $I_F$ (mA)	Reverse Voltage $V_g$ (V)	Power Dissipation $P_D$ (mW)	Operating Temperature $T_{opr}$ ( $^\circ\text{C}$ )	Storage Temperature $T_{stg}$ ( $^\circ\text{C}$ )
TLY1002	25	4	65	-25 ~ 80	-30 ~ 85
TLO1002	25	4	65		
TLUR1002	25	4	65		

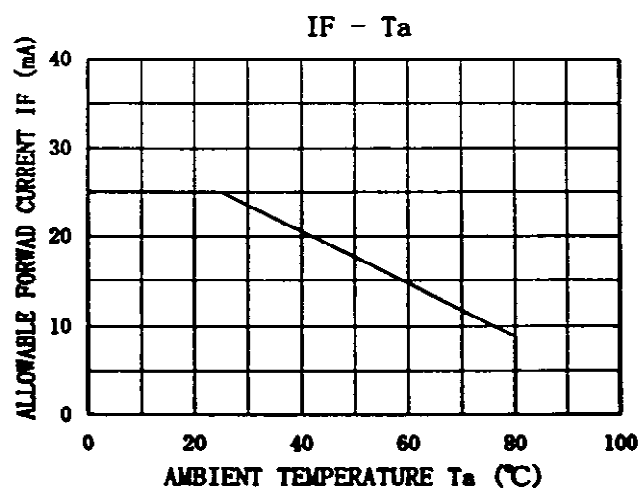
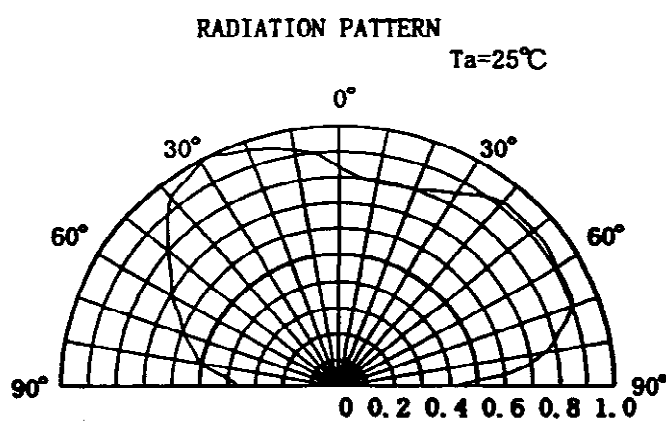
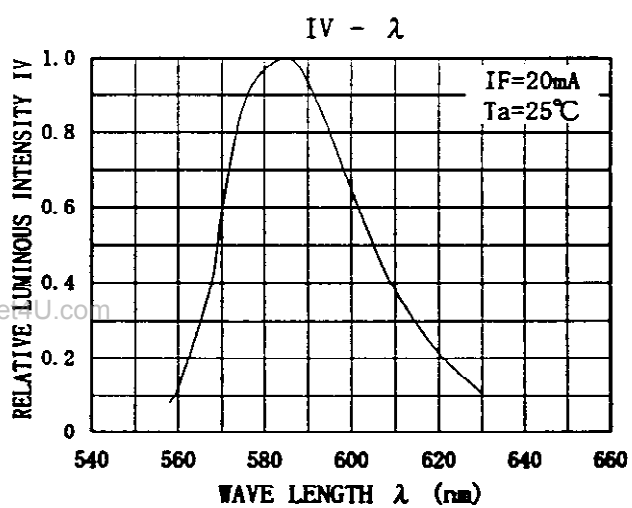
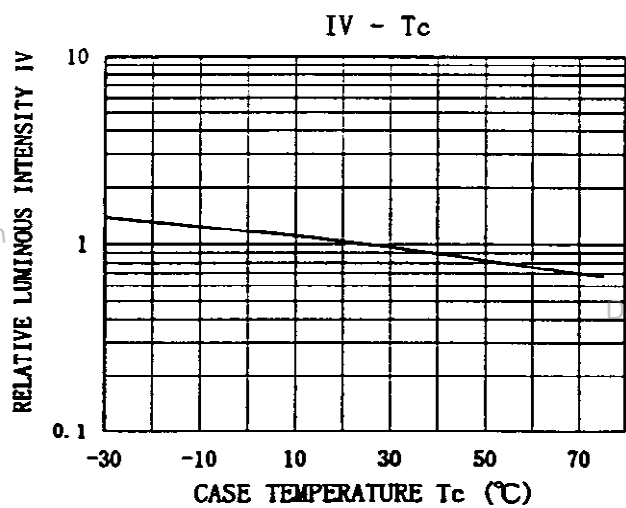
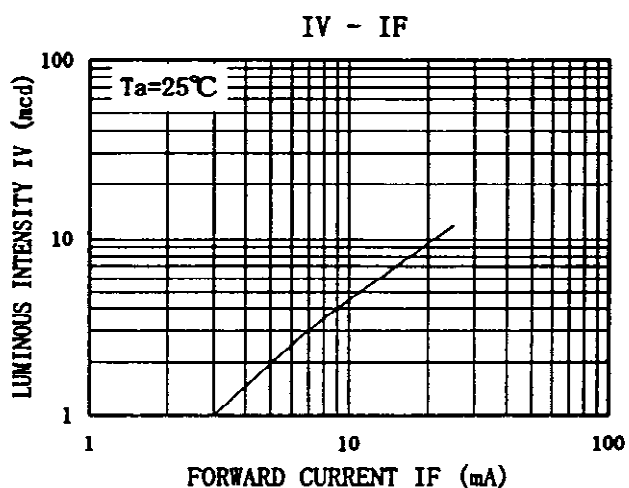
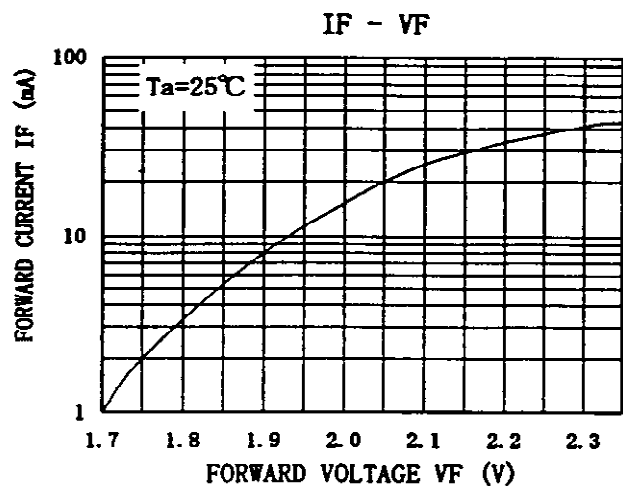
Electro-Optical Characteristics ( $T_a = 25^\circ\text{C}$ )

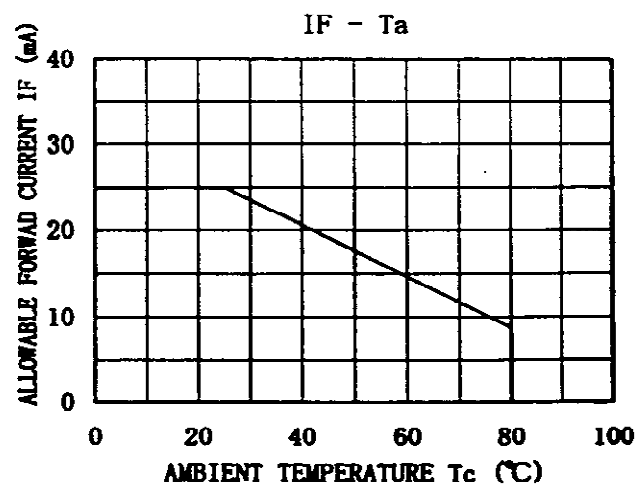
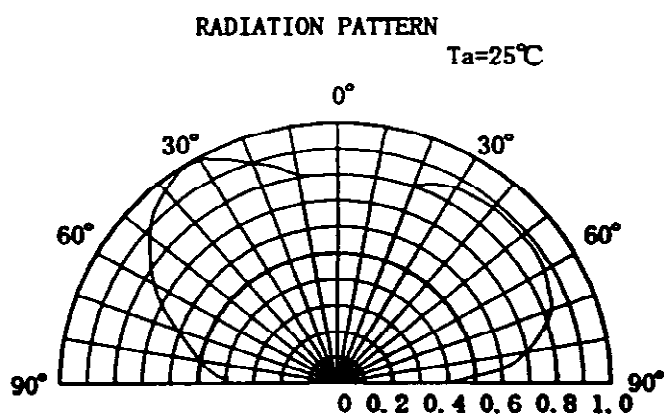
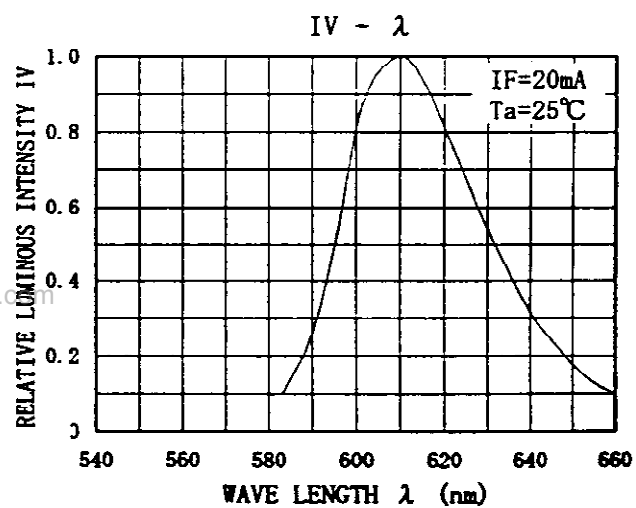
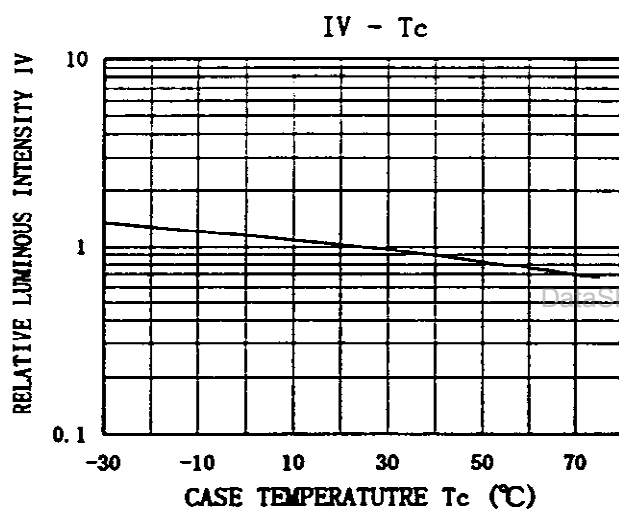
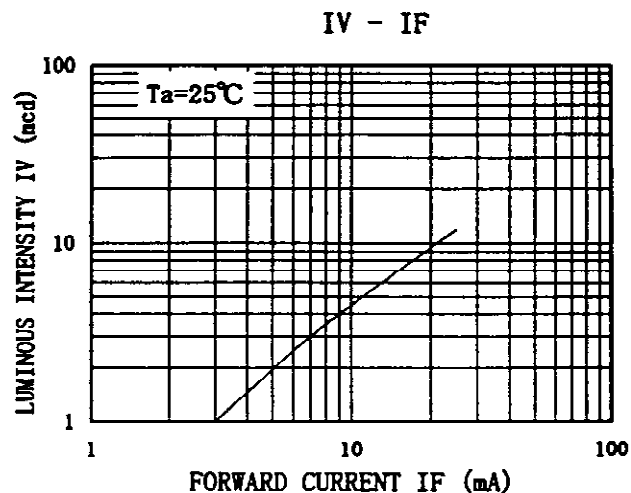
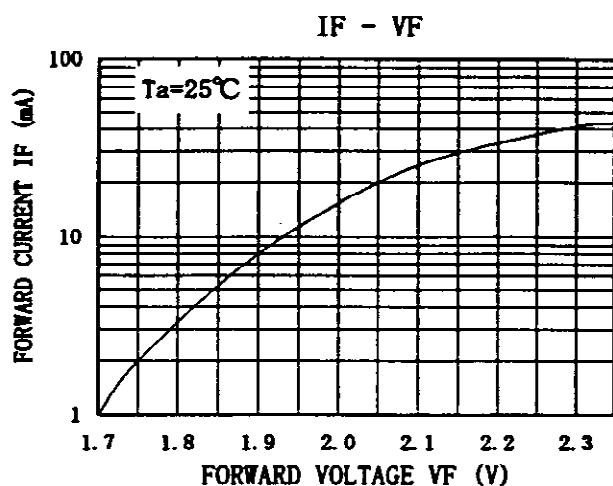
Product Name	Emission Spectrum			Luminous Intensity			Forward Voltage			Reverse Current	
	$\lambda_p$	$\Delta\lambda$	$I_F$	$I_V$			$V_F$			$I_g$	
	Typ.	Typ.		Min.	Typ.	$I_F$	Typ.	Max.	$I_F$	Max.	$V_g$
TLY1002	585	32	20	—	9	20	2.05	2.6	20	50	4
TLO1002	610	35	20	—	9	20	2.05	2.6	20	50	4
TLUR1002	660	25	20	—	6	20	1.75	2.2	20	50	4
UNIT	nm		mA	mcd		mA	V		mA	$\mu\text{A}$	V

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# TLY1002, TLO1002, TLUR1002





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