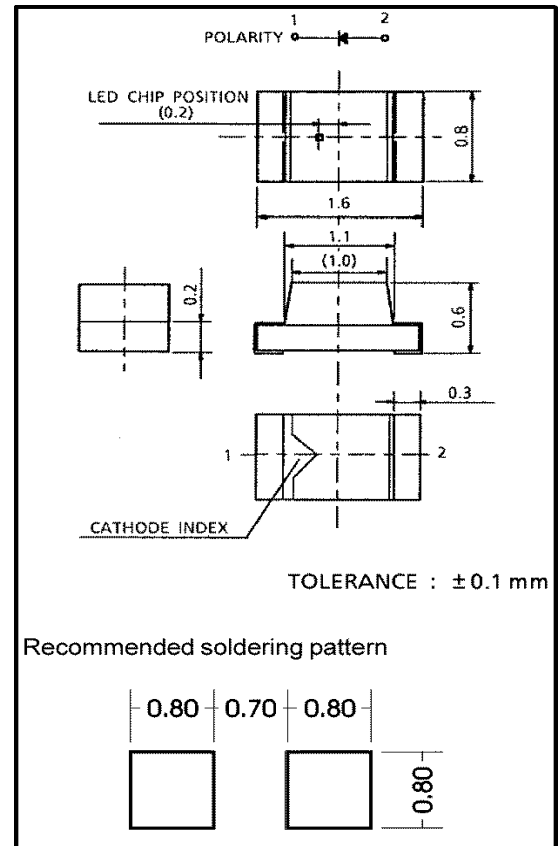


### Features

1.6 x 0.8 x 0.6 mm (L x W x H)  
 InGaAlP Technology  
 Reflow Soldering is possible  
 Standard embossed taping 2 mm pitch : T05 (8000 pcs/reel)  
 0603 Surface Mount Package

### Applications

Backlighting for battery-powered equipment  
 Pilot light for compact equipment  
 Low-power electronic equipment



### Series Line-Up

Part Number	Color	Material
TLAU1008A	Amber	InGaAlP
TLGU1008A	Ultra Bright Yellow Green	InGaAlP
TLOU1008A	Ultra Bright Orange	InGaAlP
TLPGU1008A	Ultra Pure Green	InGaAlP
TLSU1008A	Ultra High Efficiency Red	InGaAlP
TLYU1008A	Ultra Bright Yellow	InGaAlP

### Maximum Ratings (Ta=25°C)

Part Number	Forward Current I <sub>F</sub>	Reverse Voltage V <sub>R</sub>	Power Dissipation P <sub>D</sub>	Operating Temperature T <sub>opr</sub>	Storage Temperature T <sub>stg</sub>
TLAU1008A	25	4	62.00	-30 ~ 85	-30 ~ 85
TLGU1008A	25	4	62.00	-30 ~ 85	-30 ~ 85
TLOU1008A	25	4	62.00	-30 ~ 85	-30 ~ 85
TLPGU1008A	25	4	62.00	-30 ~ 85	-30 ~ 85
TLSU1008A	25	4	60.00	-30 ~ 85	-30 ~ 85
TLYU1008A	25	4	62.00	-30 ~ 85	-30 ~ 85
Unit	mA	V	mW	°C	°C

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### Electrical and Optical Characteristics (Ta=25°C)

Part Number	PWL nm λP	Material	View Angle 2θ <sub>1/2</sub>	Luminous Intensity I <sub>v</sub>				Forward Voltage V <sub>F</sub>				Rev Current I <sub>R</sub>	
				min.	typ.	max.	IF@	min.	typ.	max.	IF@	max.	VR@
TLAU1008A	596	InGaAIP	110°	8.50	30.00	–	20mA	–	2.10	2.50	20mA	50	4V
TLGU1008A	574	InGaAIP	110°	8.50	30.00	–	20mA	–	2.10	2.50	20mA	50	4V
TLOU1008A	612	InGaAIP	110°	27.20	78.00	–	20mA	–	2.10	2.50	20mA	50	4V
TLPGU1008A	562	InGaAIP	110°	1.53	6.00	–	20mA	–	2.10	2.50	20mA	50	4V
TLSU1008A	636	InGaAIP	110°	27.20	60.00	–	20mA	–	2.00	2.40	20mA	50	4V
TLYU1008A	590	InGaAIP	110°	8.50	30.00	–	20mA	–	2.20	2.50	20mA	50	4V
–	nm	–	deg	mcd				–	V		–	μ A	–

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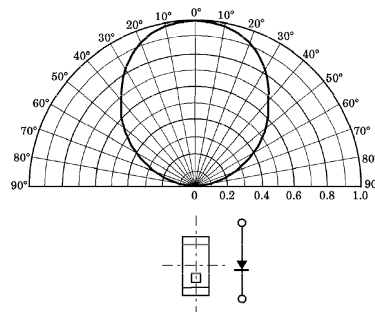
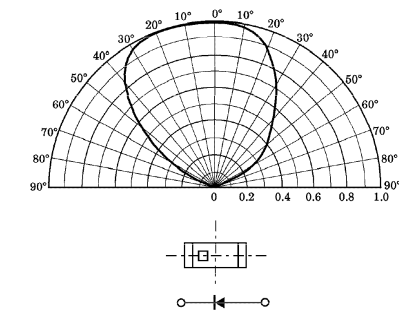
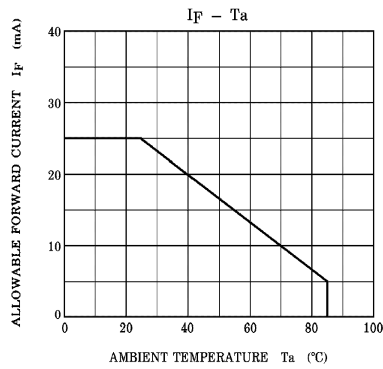
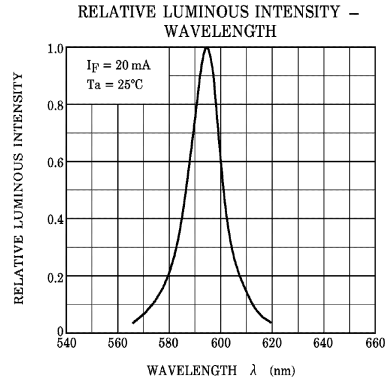
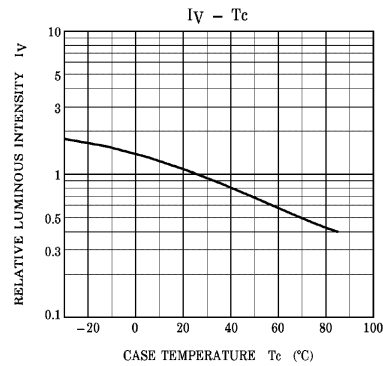
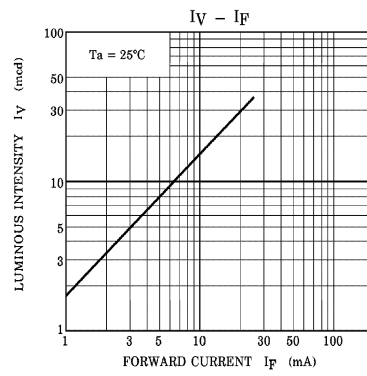
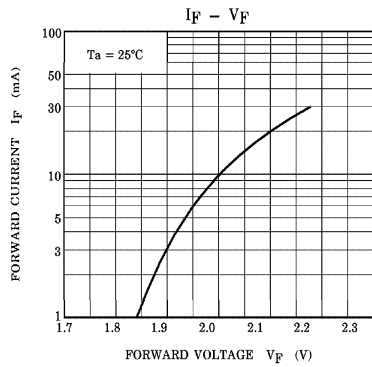
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### TLAU1008A Graphs



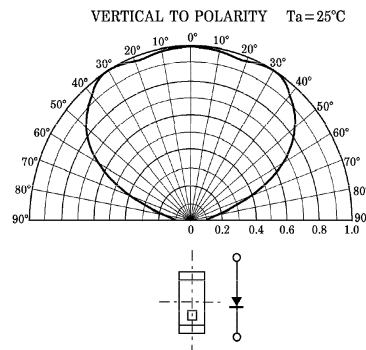
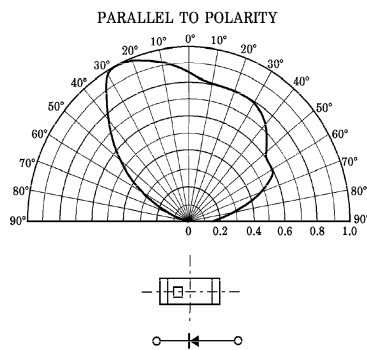
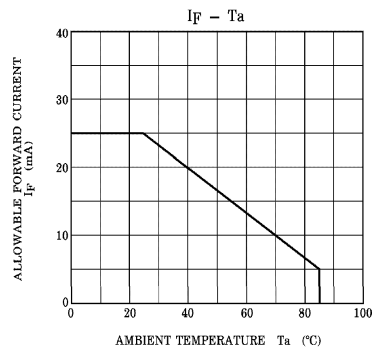
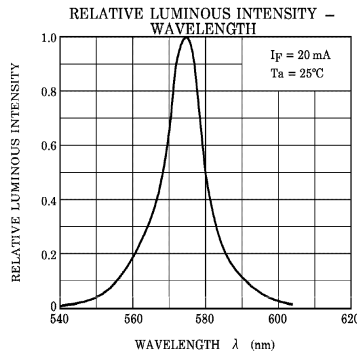
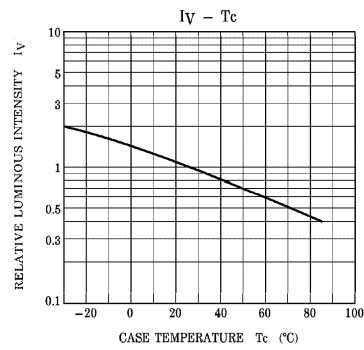
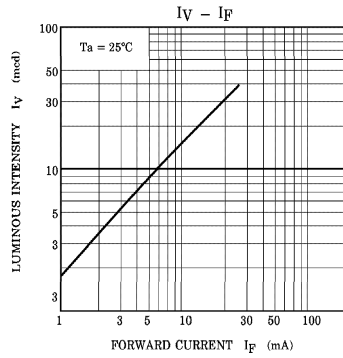
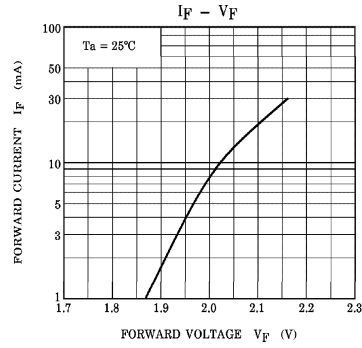
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### TLGU1008A Graphs



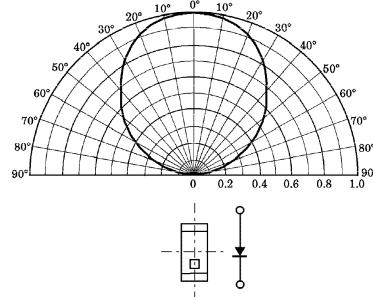
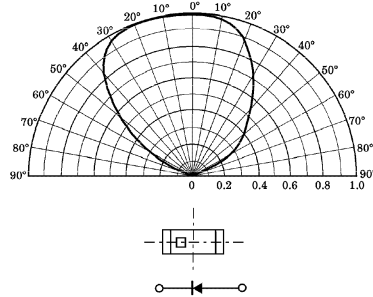
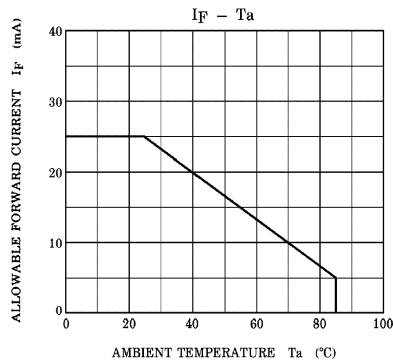
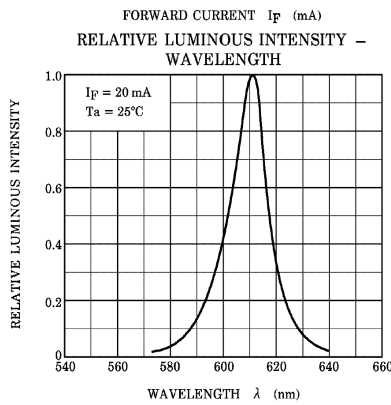
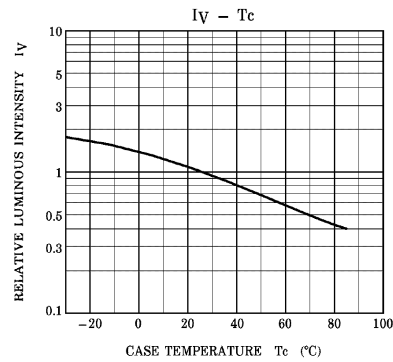
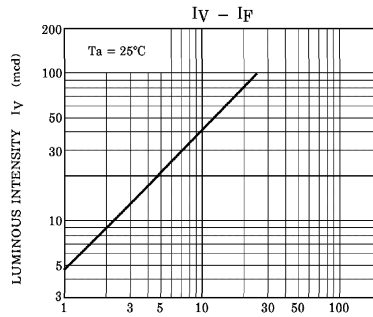
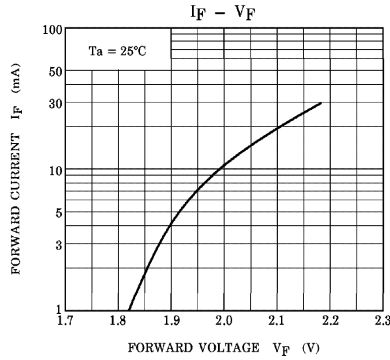
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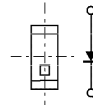
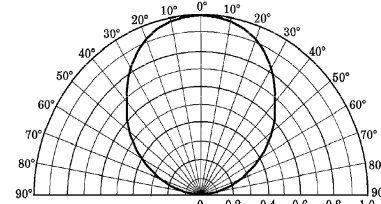
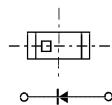
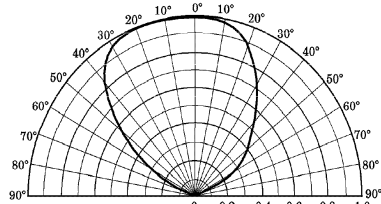
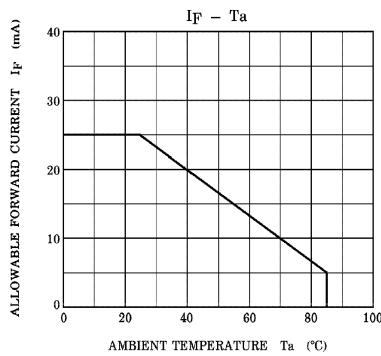
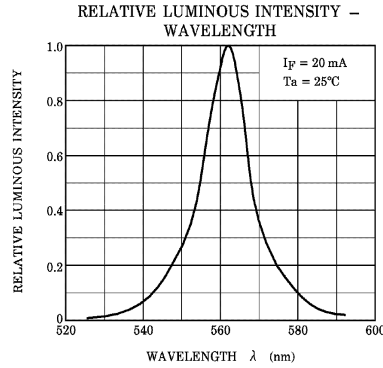
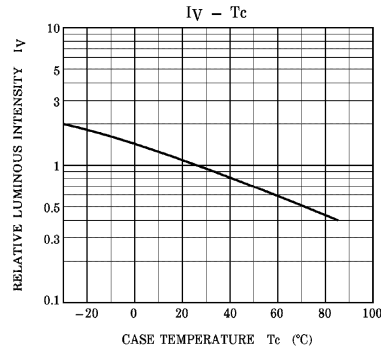
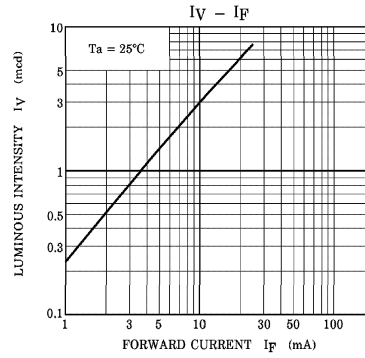
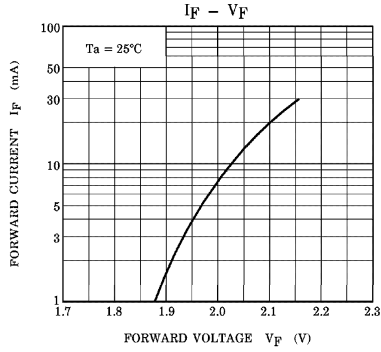
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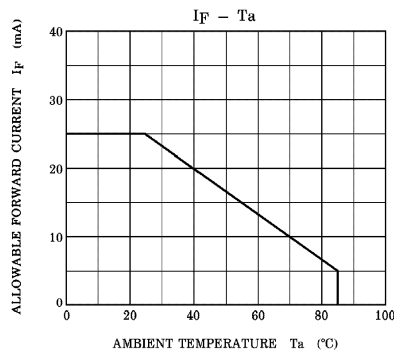
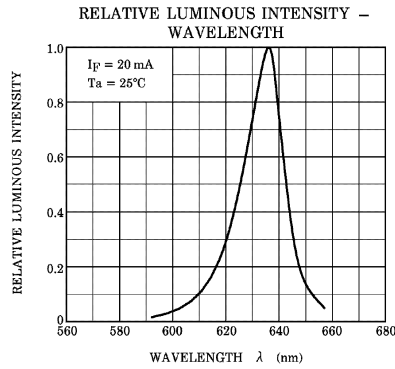
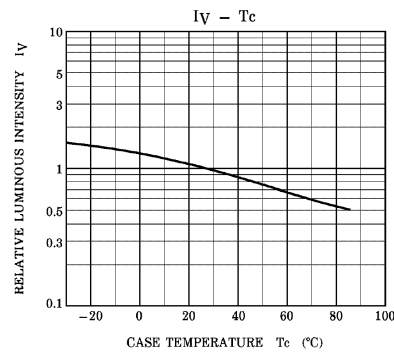
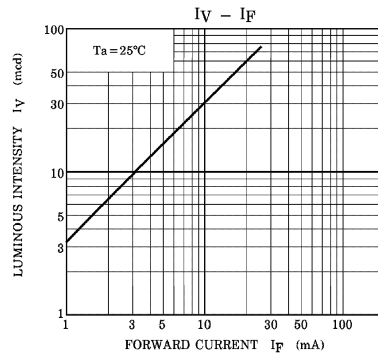
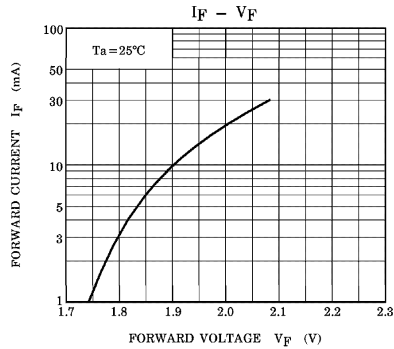
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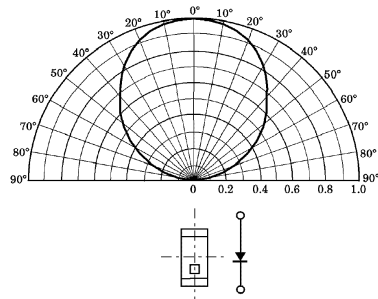
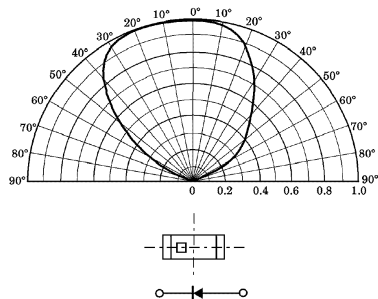
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### TLxU1008A Graphs



$T_a = 25^\circ\text{C}$



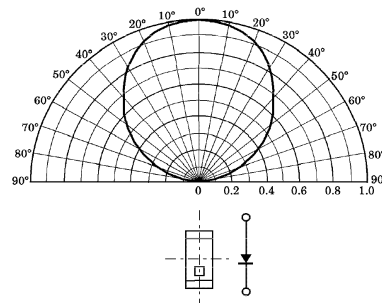
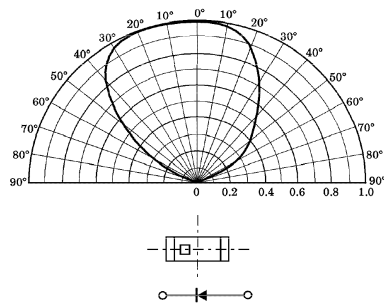
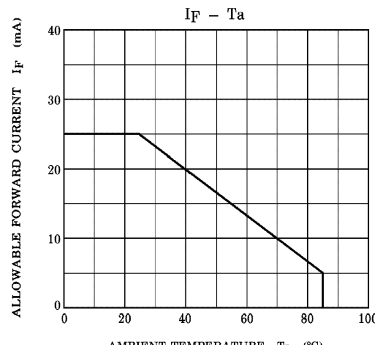
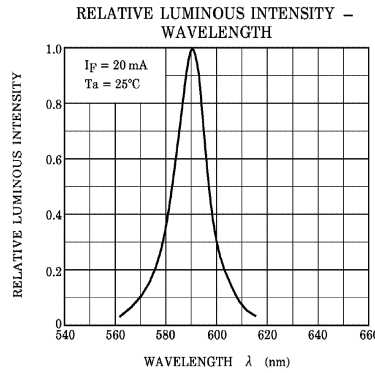
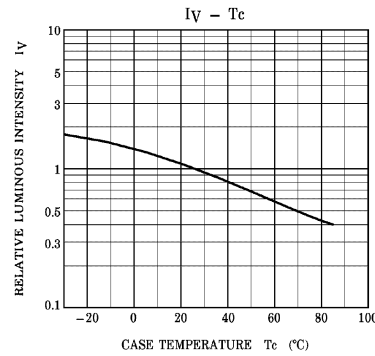
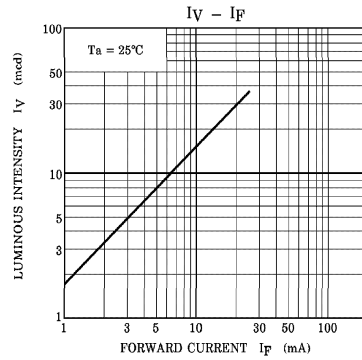
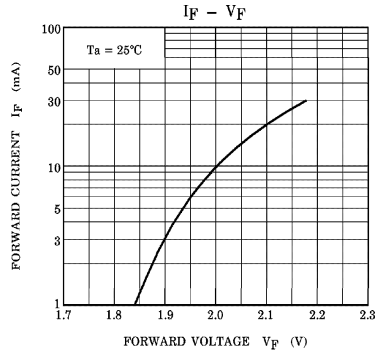
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### TLYU1008A Graphs



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