

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

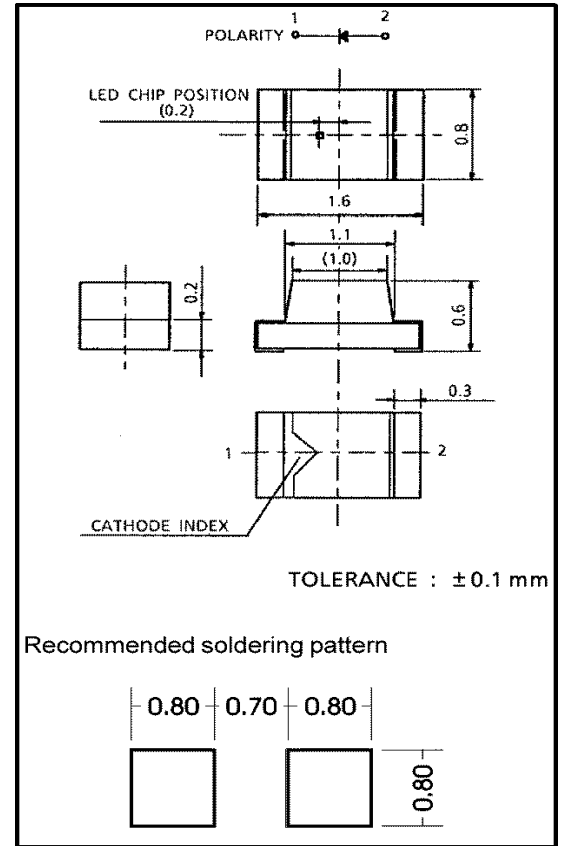
Backlighting for battery-powered equipment
 Pilot light for compact equipment
 Low-power electronic equipment

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 _F	Reverse Voltage V _R	Power Dissipation P _D	Operating Temperature T _{opr}	Storage Temperature T _{stg}
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



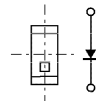
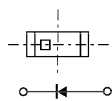
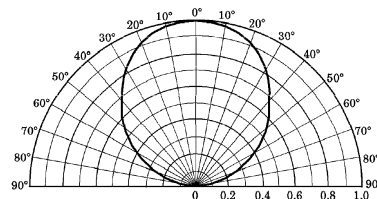
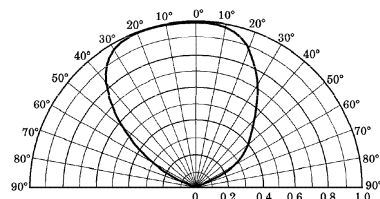
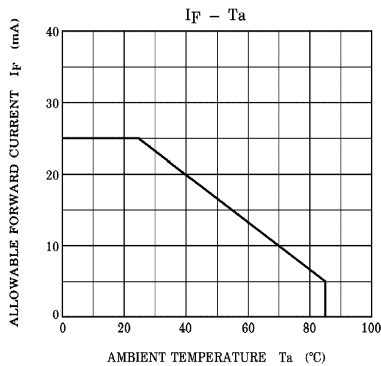
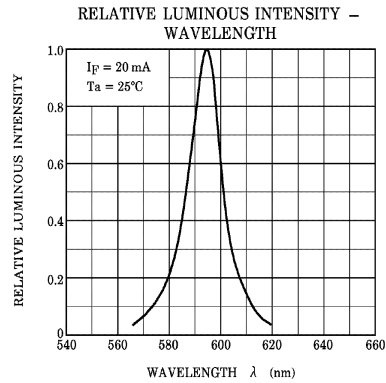
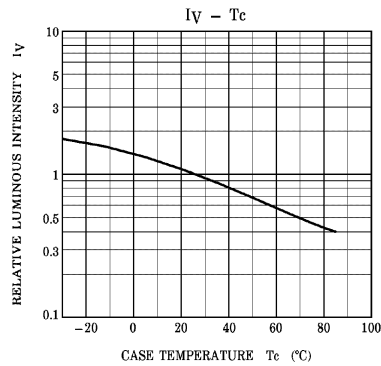
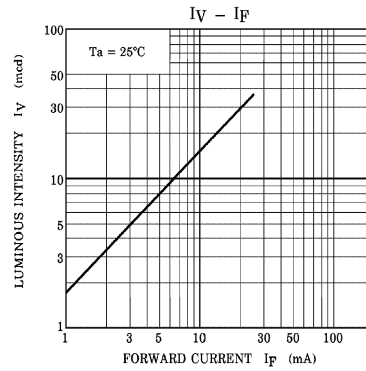
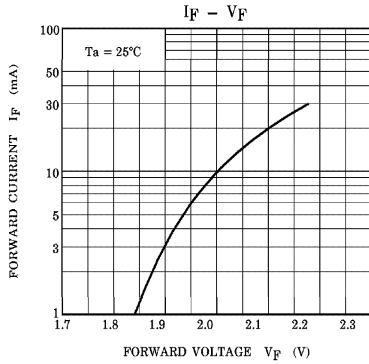
Electrical and Optical Characteristics (Ta=25°C)

Part Number	PWL nm λ_P	Material	View Angle $2\theta_{1/2}$	Luminous Intensity I_v				Forward Voltage V_F				Rev Current I_R	
				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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TLAU1008A Graphs



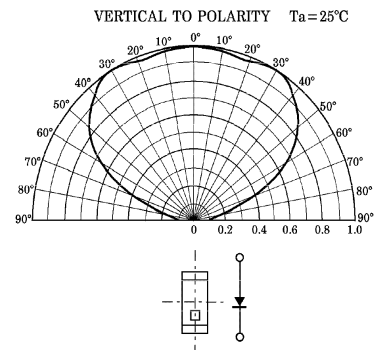
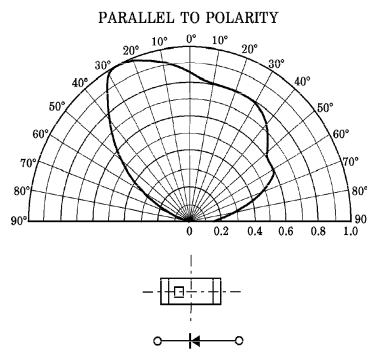
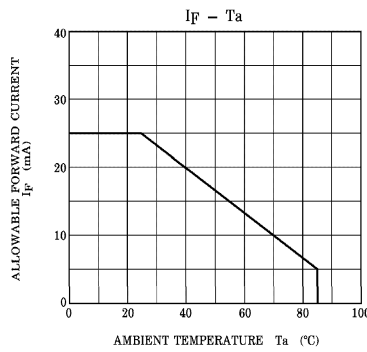
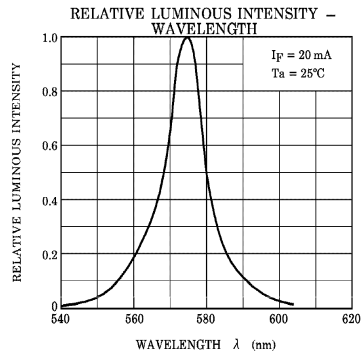
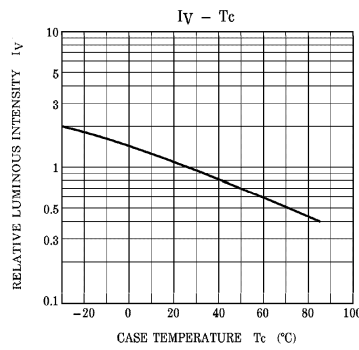
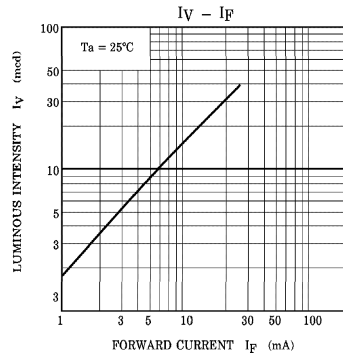
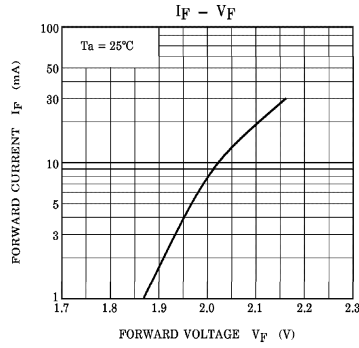
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TLGU1008A Graphs



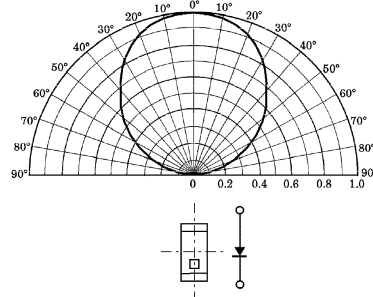
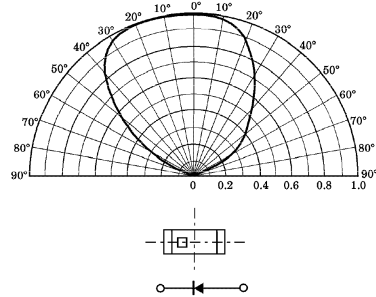
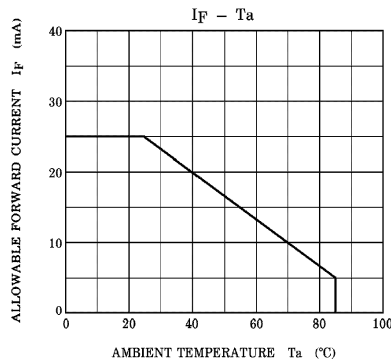
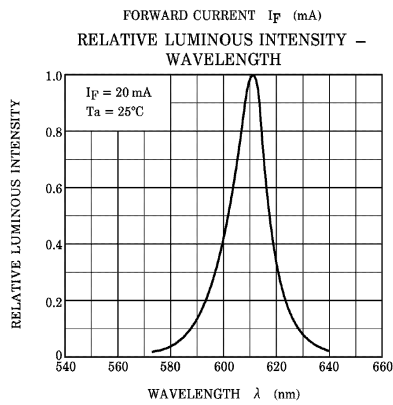
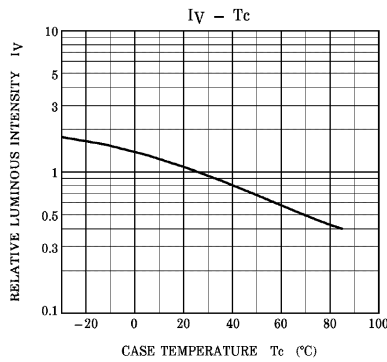
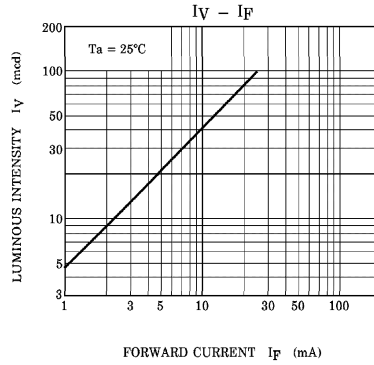
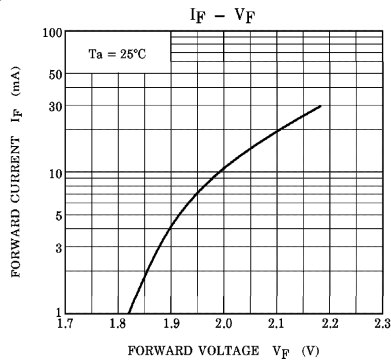
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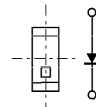
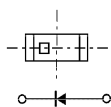
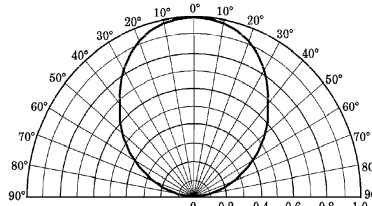
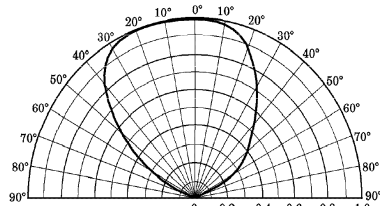
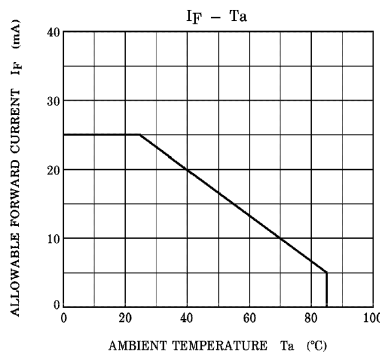
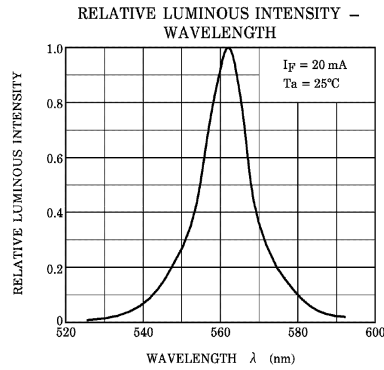
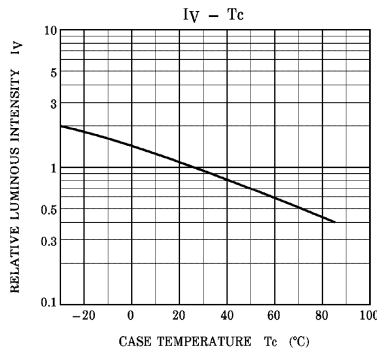
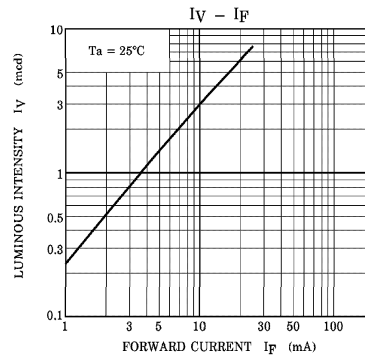
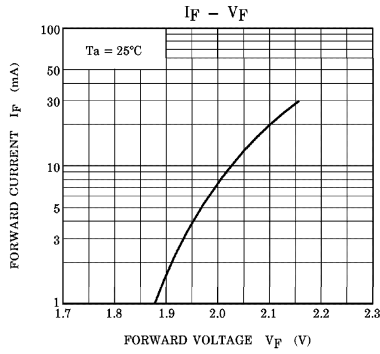
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TLOU1008A Graphs



TLPGU1008A Graphs



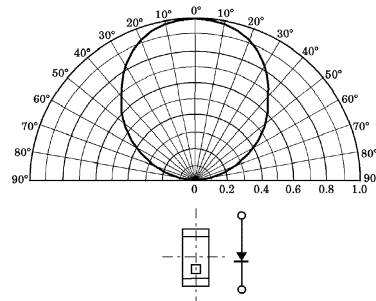
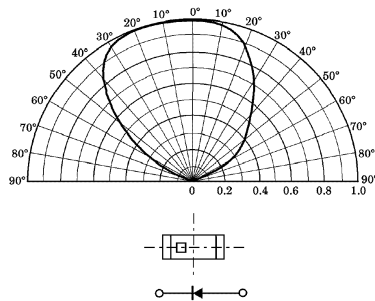
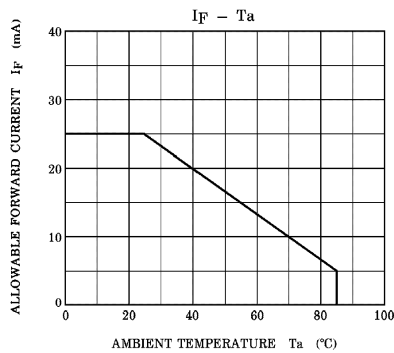
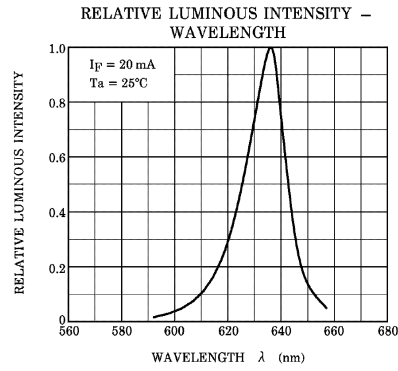
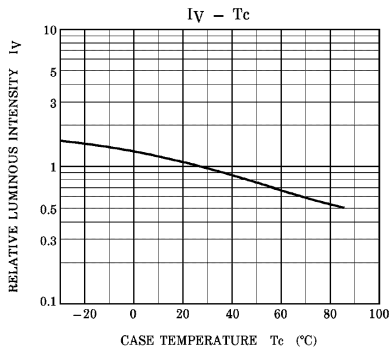
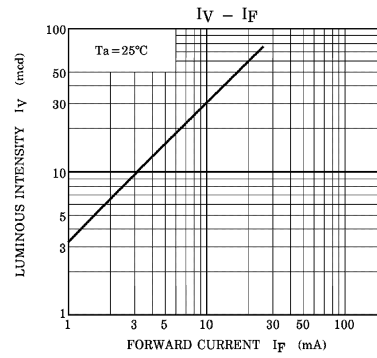
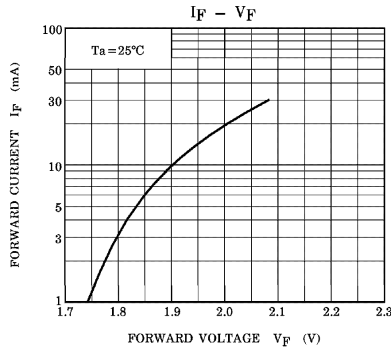
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TLxU1008A Graphs



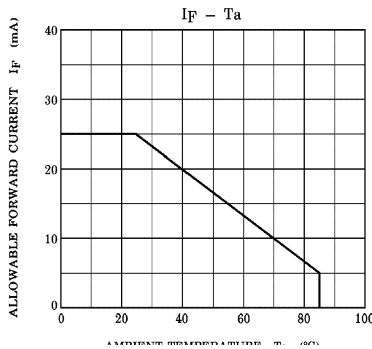
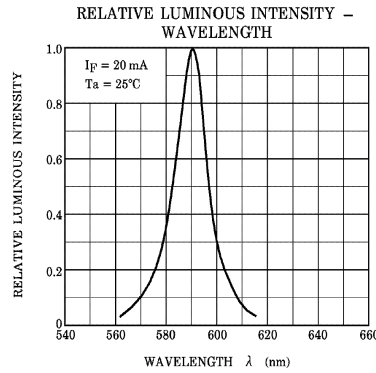
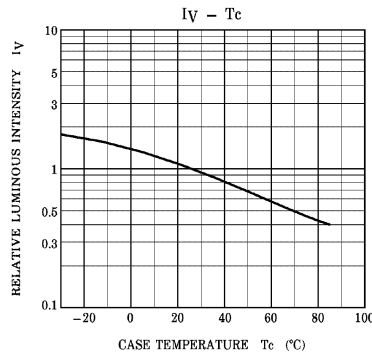
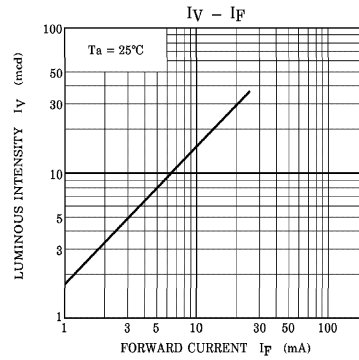
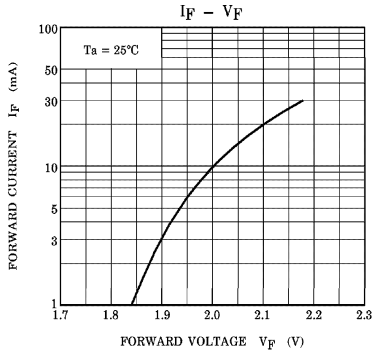
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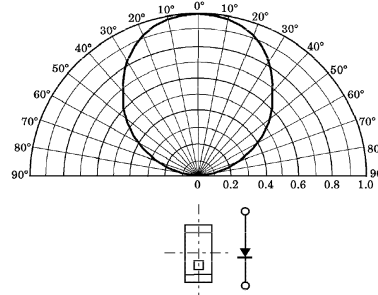
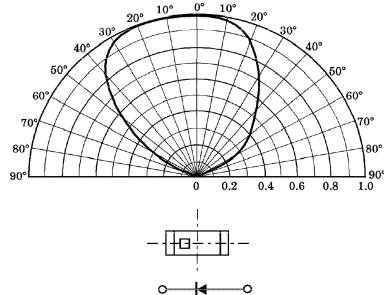
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TLYU1008A Graphs



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



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