

Features

1.6 x 0.8 x 0.6 mm (L x W x H)
 Incorporates opaque diffusing resin. Good Light diffusion—ideal for backlighting
 InGaAIP Technology
 Reflow soldering is possible
 Standard embossed taping 4 mm pitch : T04 (4000 pcs/reel)

Applications

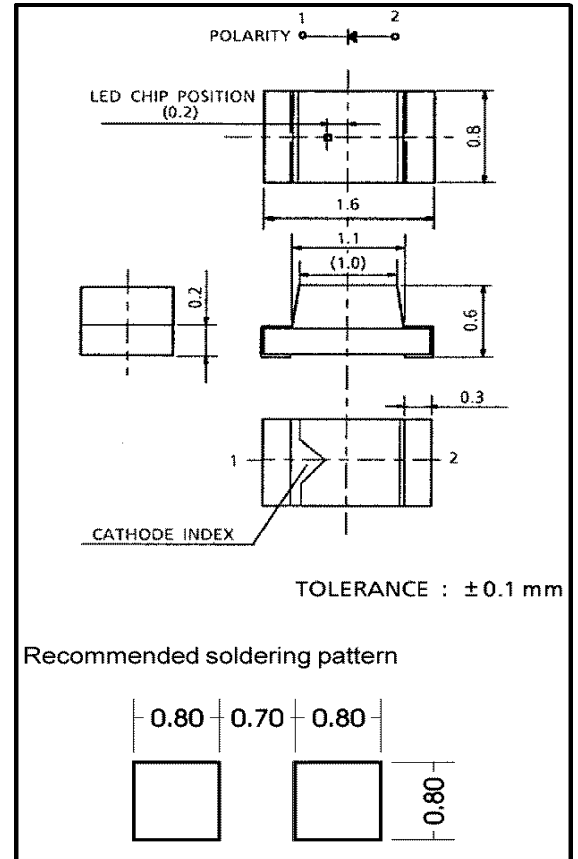
Backlighting for battery-powered equipment
 Low-power electronic equipment
 Pilot light for compact equipment

Series Line-Up

Part Number	Color	Material
TLGE1008A	Ultra Bright Yellow Green	InGaAIP
TLOE1008A	Ultra Bright Orange	InGaAIP
TLPGE1008A	Ultra Pure Green	InGaAIP
TLRE1008A	Ultra Bright Red	InGaAIP
TLSE1008A	Ultra Bright High Efficiency Red	InGaAIP
TLYE1008A	Ultra Bright Yellow	InGaAIP

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}
TLGE1008A	25	4	60.00	-25 ~ +85	-30 ~ +85
TLOE1008A	25	4	60.00	-25 ~ +85	-30 ~ +85
TLPGE1008A	25	4	60.00	-25 ~ +85	-30 ~ +85
TLRE1008A	25	4	60.00	-25 ~ +85	-30 ~ +85
TLSE1008A	25	4	60.00	-25 ~ +85	-30 ~ +85
TLYE1008A	25	4	60.00	-25 ~ +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@
TLGE1008A	574	InGaAlP	110°	27.20	70.00	–	20mA	–	2.00	2.40	20mA	50	4V
TLOE1008A	612	InGaAlP	110°	47.60	150.00	–	20mA	–	2.00	2.40	20mA	50	4V
TLPGE1008A	562	InGaAlP	110°	4.76	18.00	–	20mA	–	2.10	2.40	20mA	50	4V
TLRE1008A	644	InGaAlP	110°	27.20	70.00	–	20mA	–	1.90	2.40	20mA	50	4V
TLSE1008A	623	InGaAlP	110°	47.60	135.00	–	20mA	–	1.90	2.40	20mA	50	4V
TLYE1008A	590	InGaAlP	110°	27.20	105.00	–	20mA	–	2.00	2.40	20mA	50	4V
–	nm	–	deg	mcd				–	V		–	μ A	–

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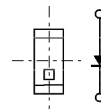
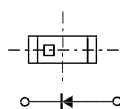
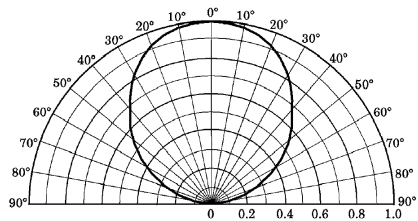
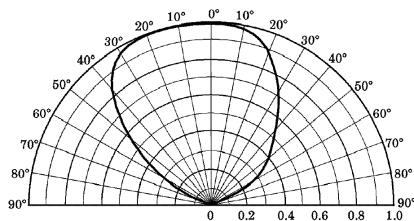
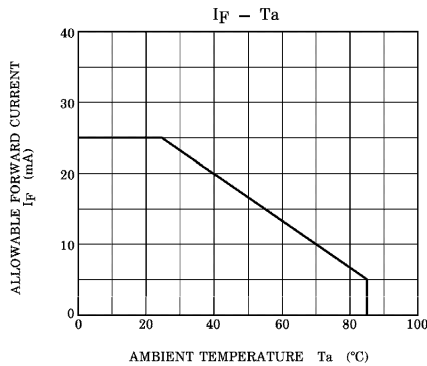
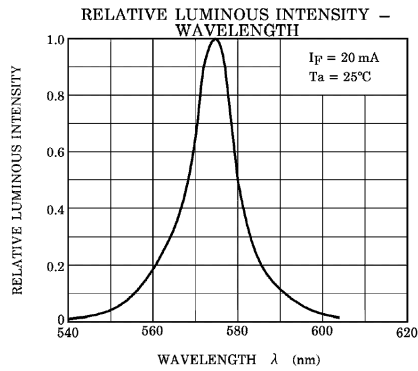
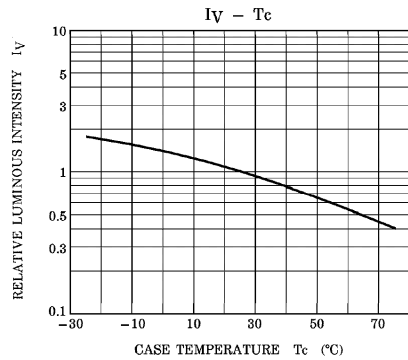
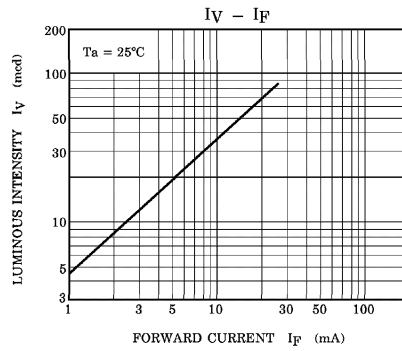
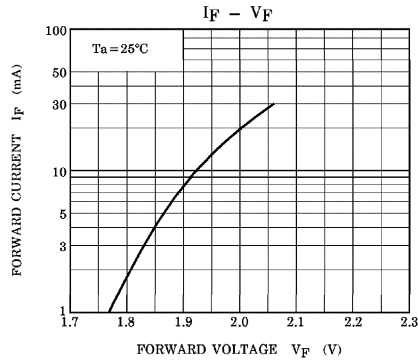
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TLGE1008A Graphs



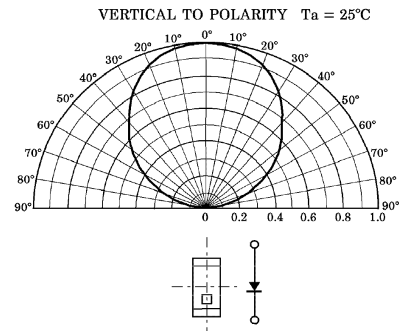
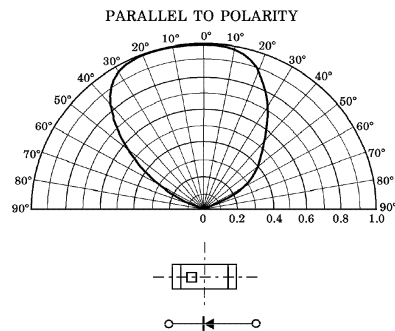
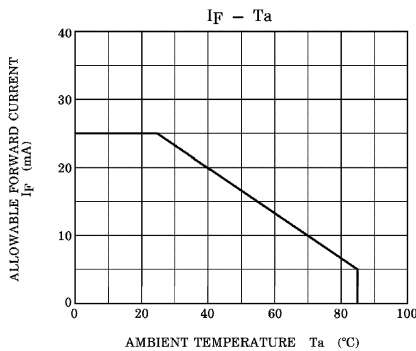
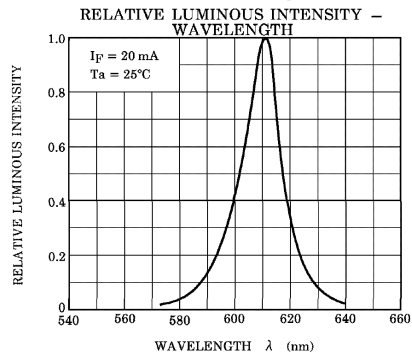
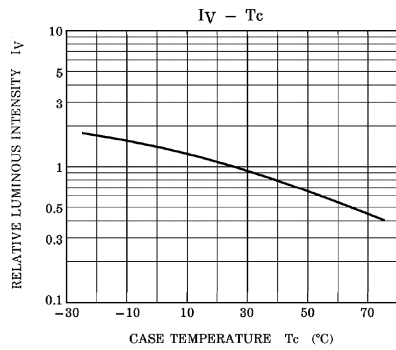
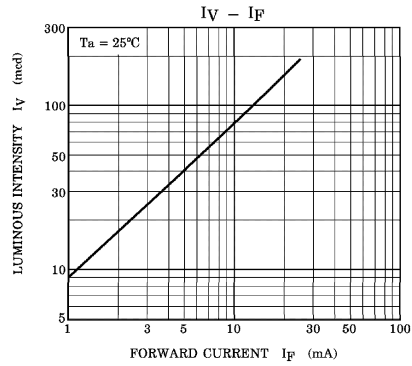
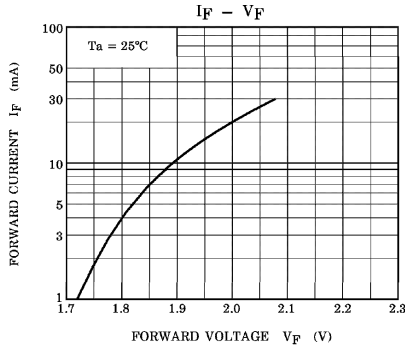
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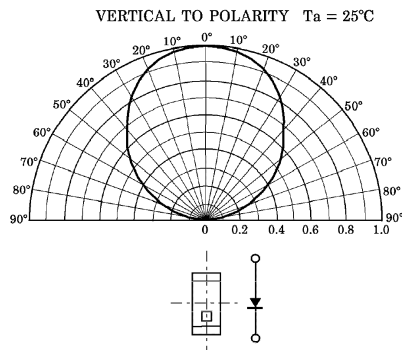
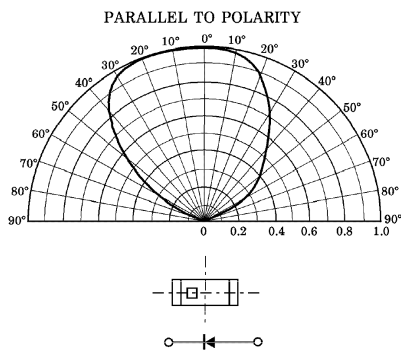
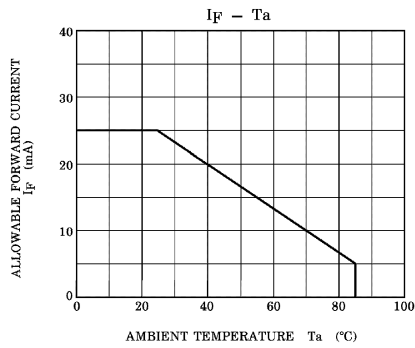
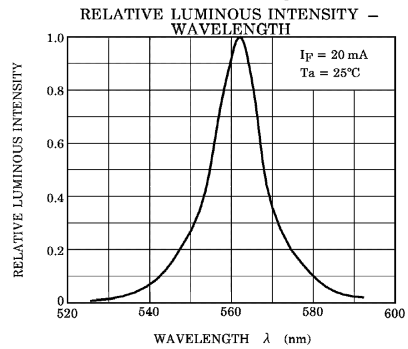
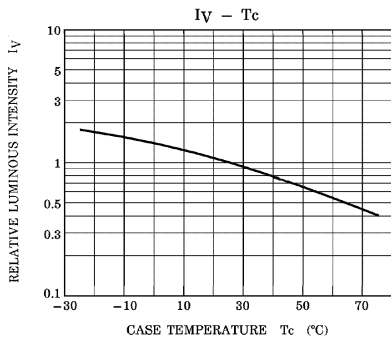
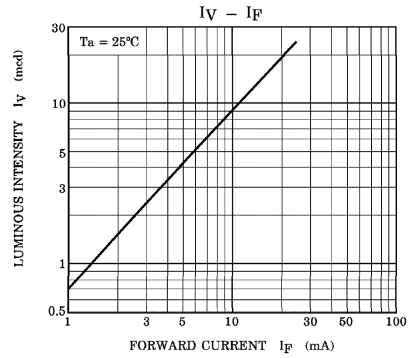
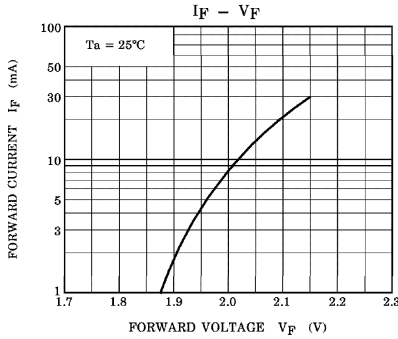
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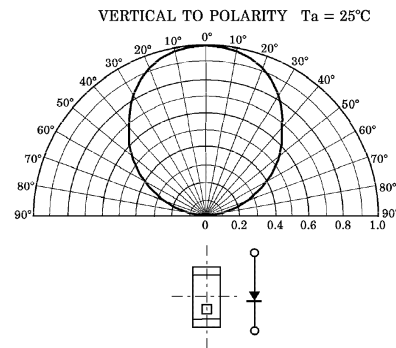
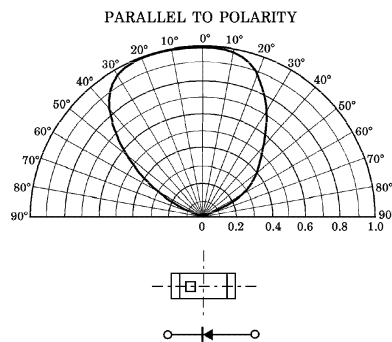
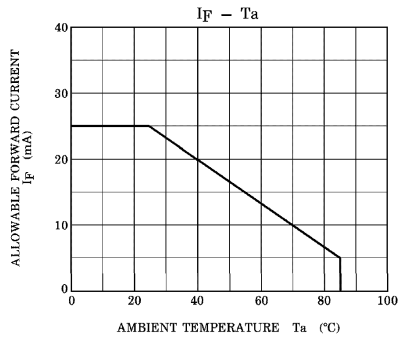
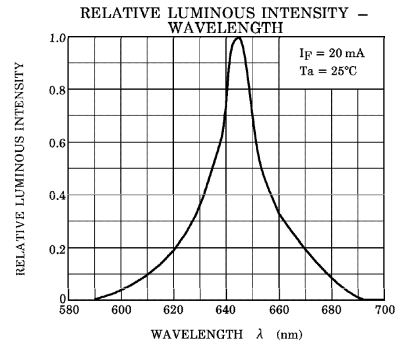
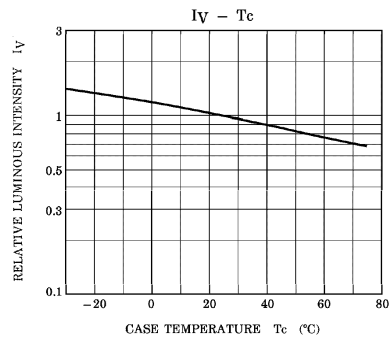
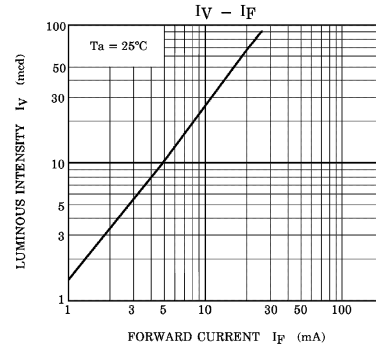
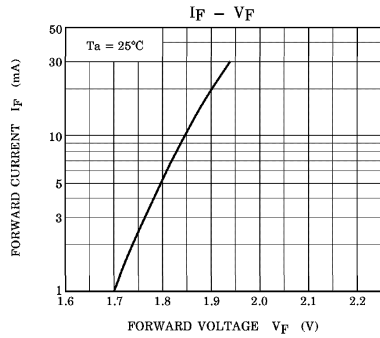
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TLPGE1008A Graphs



TLRE1008A Graphs



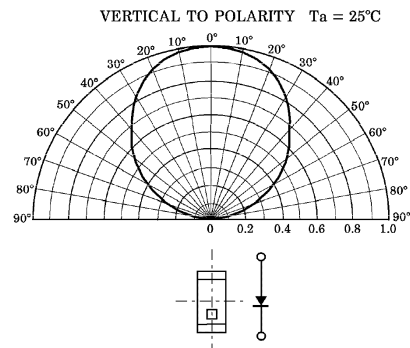
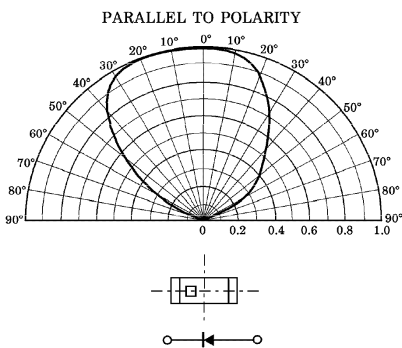
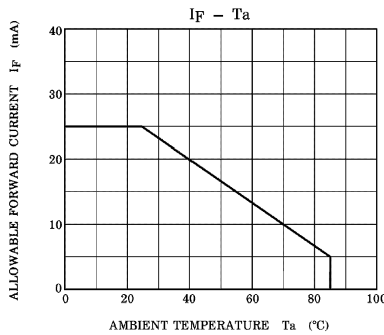
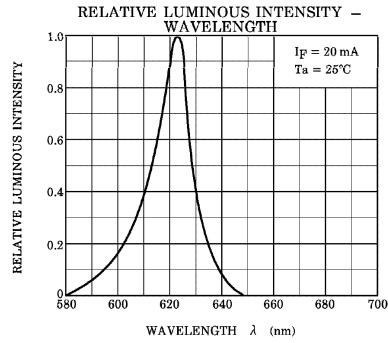
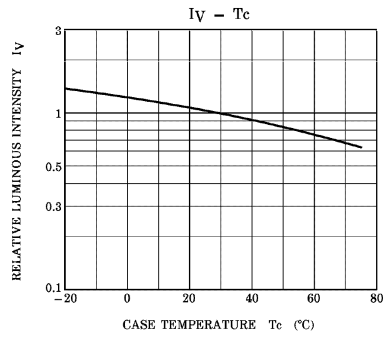
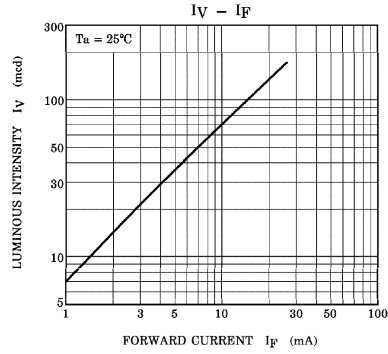
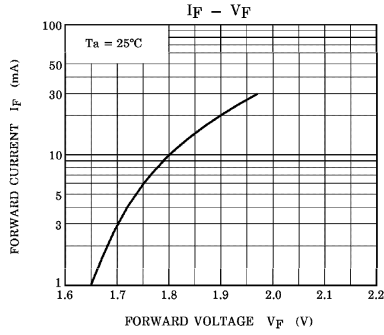
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