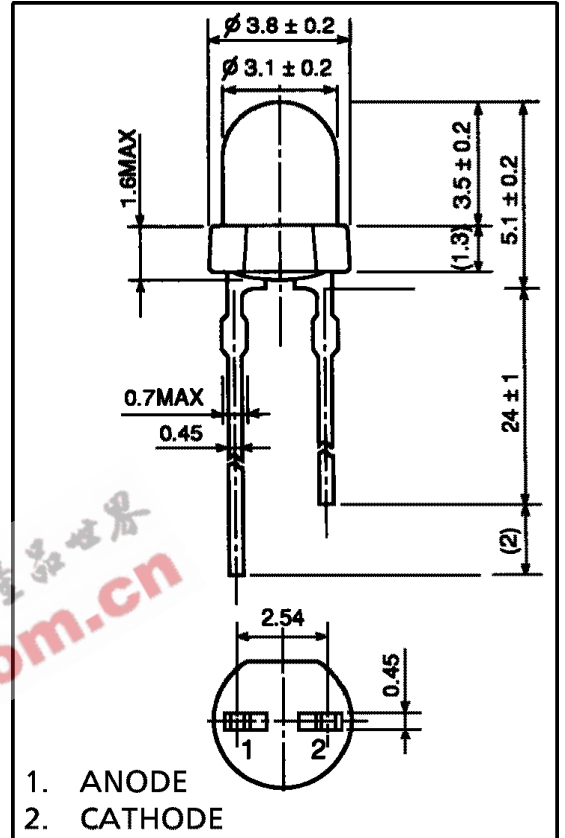


Features

3mm Package
 InGaAlP Technology
 All Plastic Mold Type
 Water Clear Lens
 Fast Response Time, Capable of Pulse Operation
 High Power Luminous Intensity

Applications

Suitable for Backlighting.



Series Line-Up

Part Number	Color	Material
TLGE262	Ultra Bright Yellow Green	InGaAlP
TLOE262A	Ultra Bright Orange	InGaAlP
TLPGE262	Ultra Pure Green	InGaAlP
TLRE262A	Ultra Bright Red	InGaAlP
TLYE262A	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}
TLGE262	50	4	140.00	-30 ~ 85	-40 ~ 120
TLOE262A	50	4	125.00	-30 ~ 85	-40 ~ 120
TLPGE262	50	4	140.00	-30 ~ 85	-40 ~ 120
TLRE262A	50	4	125.00	-30 ~ 85	-40 ~ 120
TLYE262A	50	4	125.00	-30 ~ 85	-40 ~ 120
Unit	mA	V	mW	°C	°C

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West Coast Sales Office
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 Costa Mesa, California 92626
 Toll Free: 800.984.5337
 Fax: 714.850.9314

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@
TLGE262	574	InGaAlP	65°	47.60	220.00	–	20mA	–	2.27	2.80	20mA	50	4V
TLOE262A	612	InGaAlP	80°	85.00	300.00	–	20mA	–	1.95	2.40	20mA	50	4V
TLPGE262	562	InGaAlP	65°	15.30	45.00	–	20mA	–	2.27	2.80	20mA	50	4V
TLRE262A	644	InGaAlP	80°	47.60	150.00	–	20mA	–	1.85	2.40	20mA	50	4V
TLYE262A	590	InGaAlP	80°	85.00	240.00	–	20mA	–	2.10	2.50	20mA	50	4V
–	nm	–	deg	mcd				–	V		–	μA	–

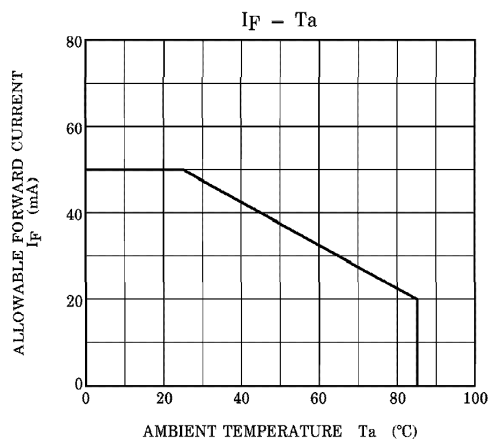
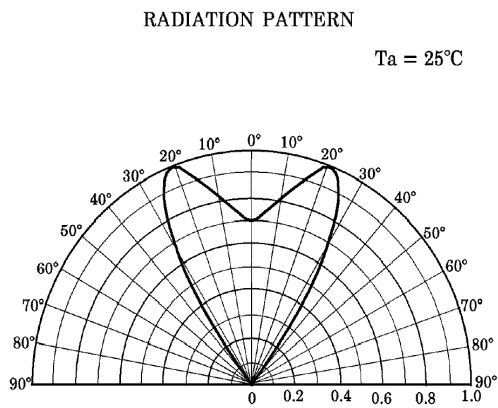
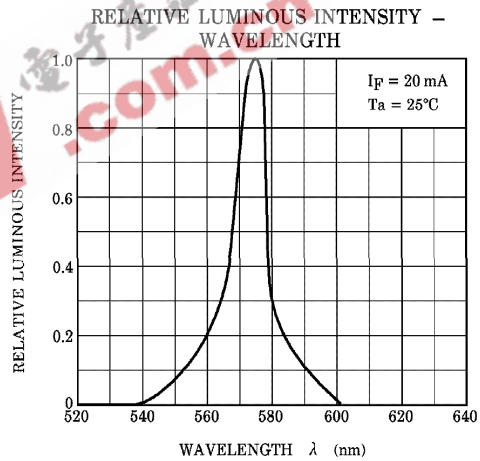
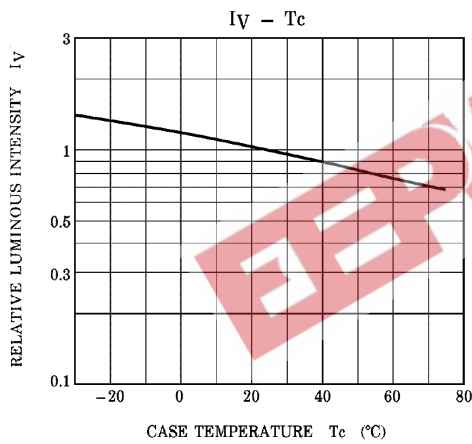
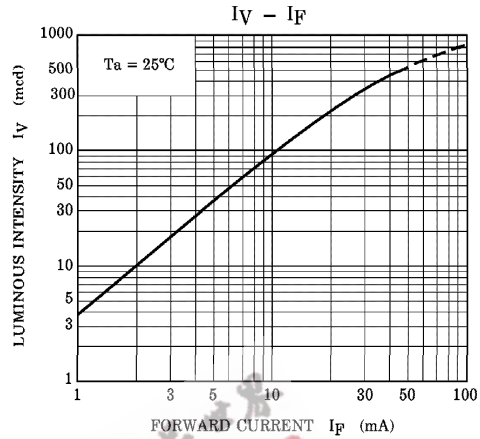
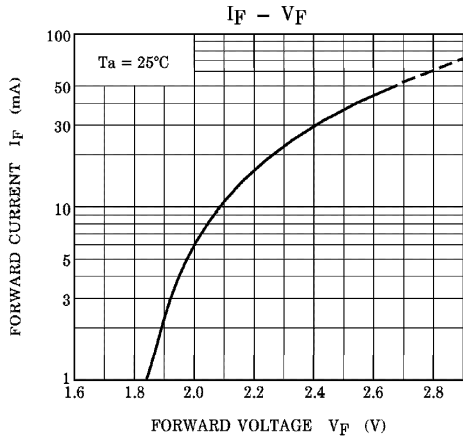
Precautions

- Soldering temperature: 260°C max, soldering time: 3 s max (soldering portion of lead: up to 2 mm from the body of the device).
- If the lead is formed, the lead should be formed up to 5 mm from the body of the device without forming stress to the resin. Soldering should be performed after lead forming.
- This visible LED lamp also emits some IR light. If a photodetector is located near the LED lamp, please ensure that it will not be affected by this IR light.

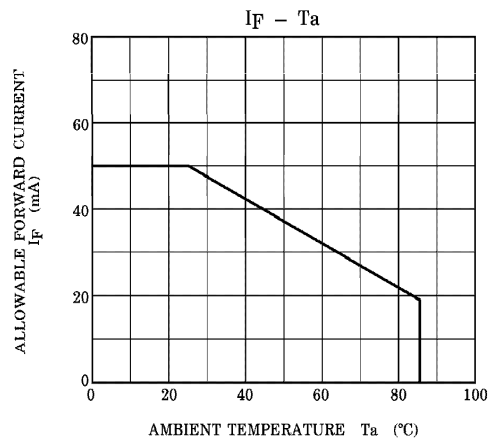
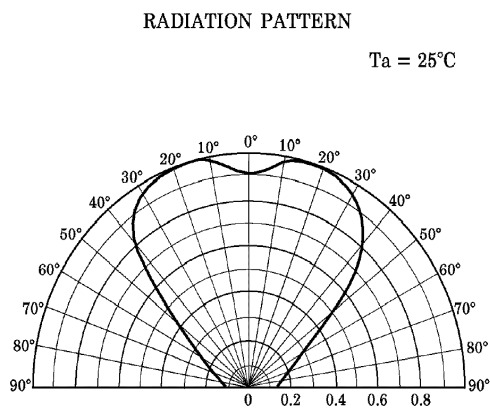
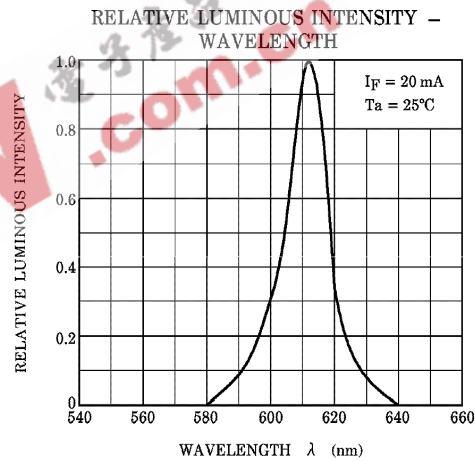
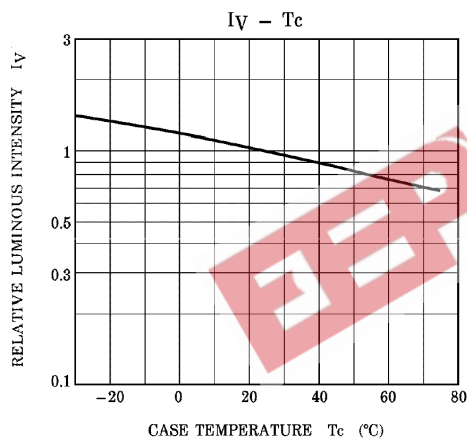
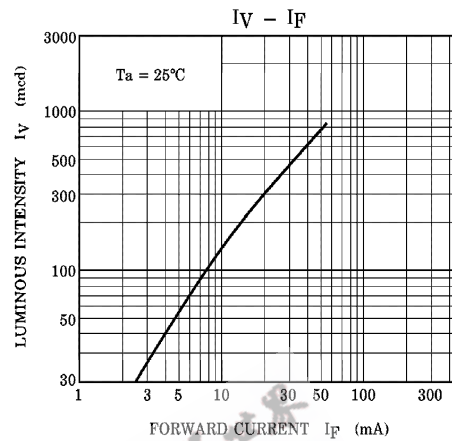
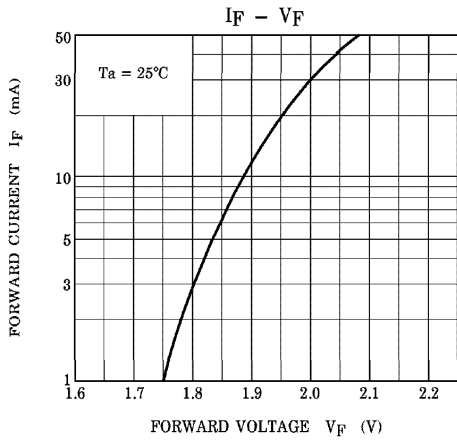
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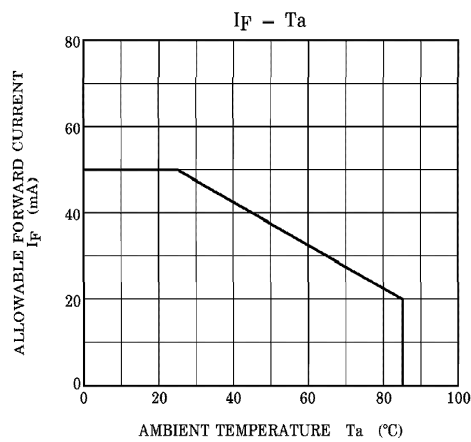
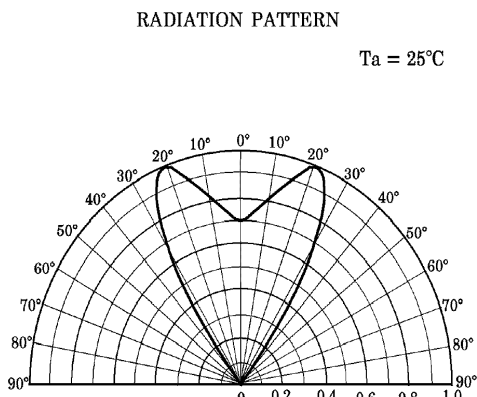
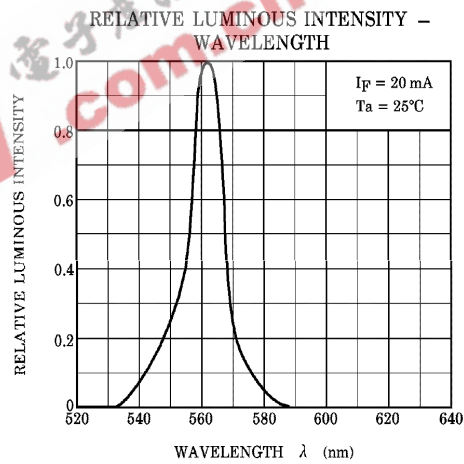
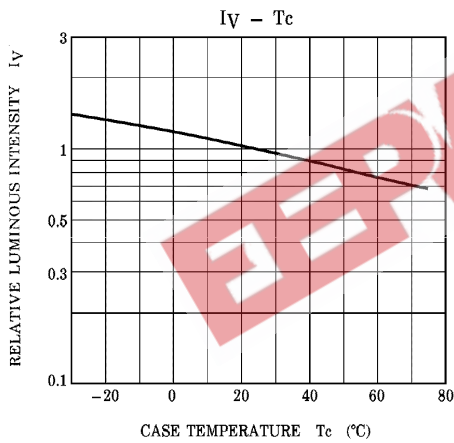
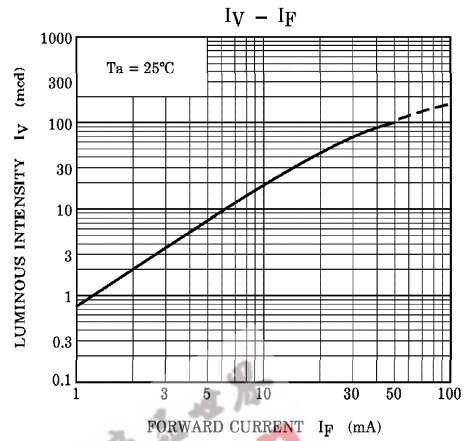
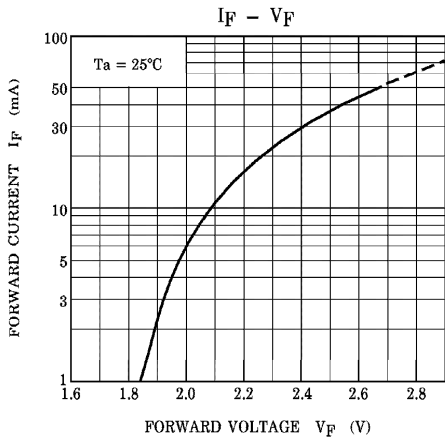
TLGE262 Graphs



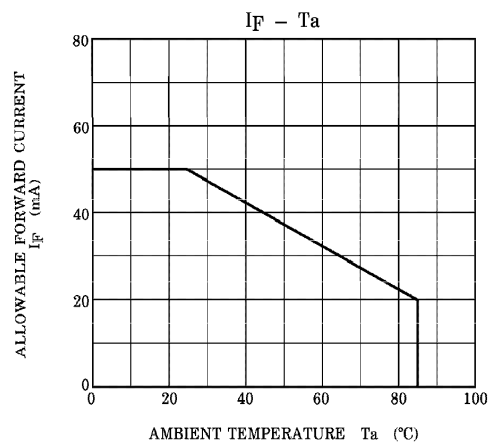
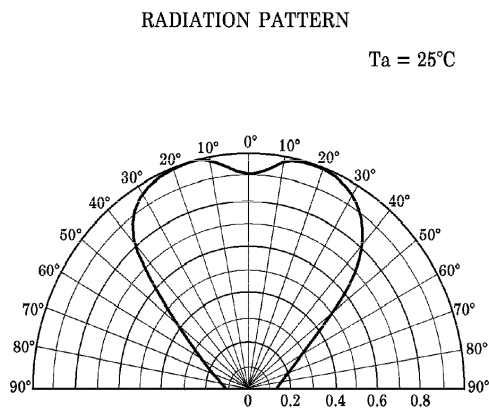
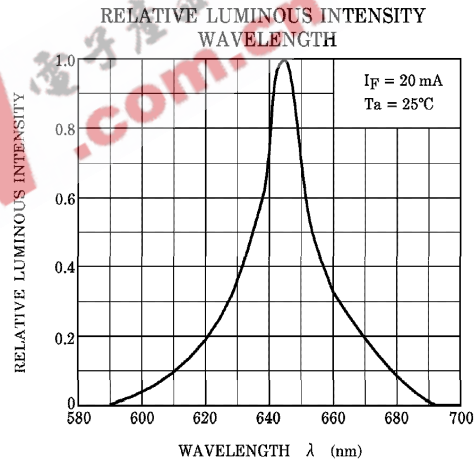
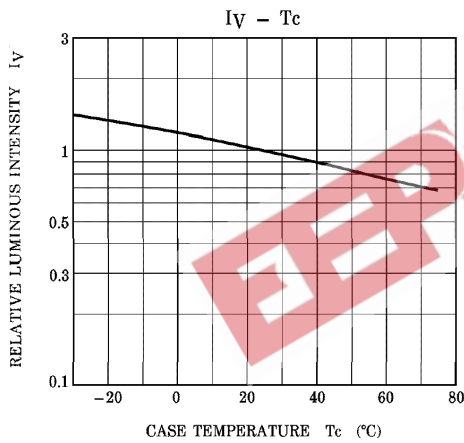
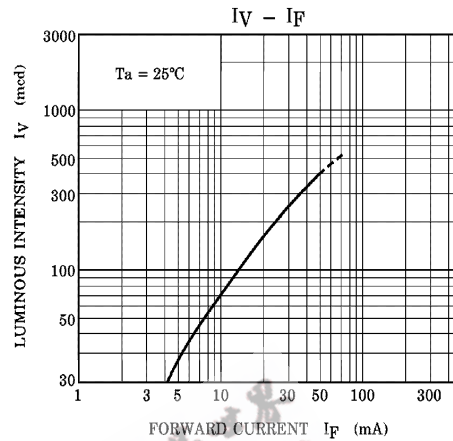
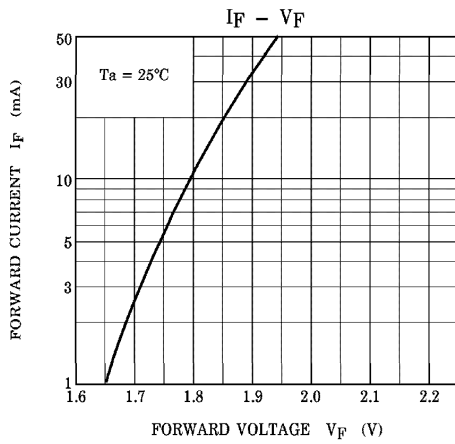
TLOE262A Graphs



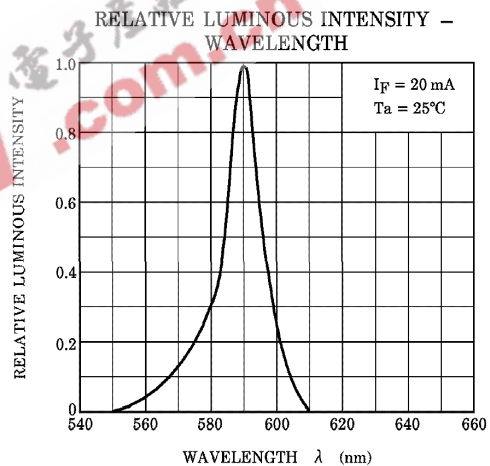
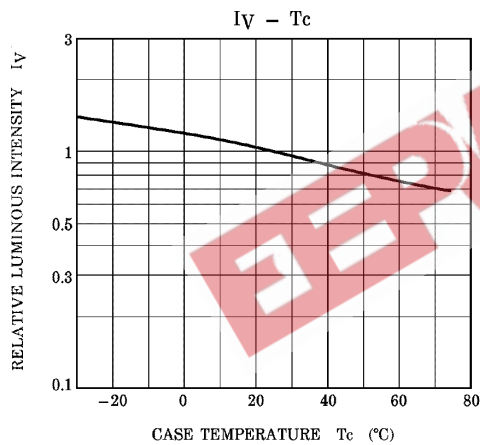
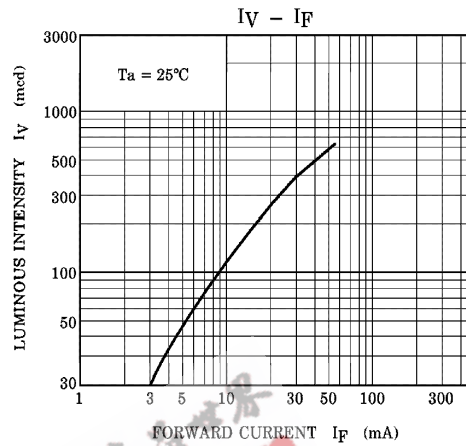
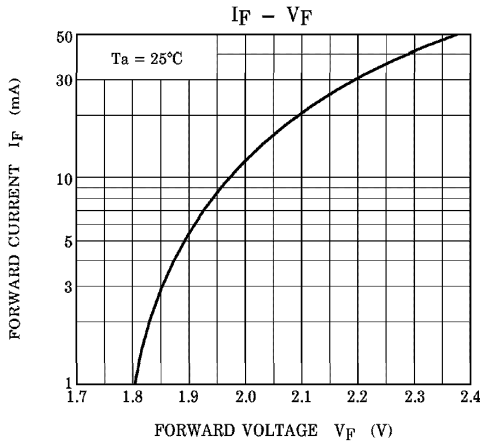
TLPGE262 Graphs



TLRE262A Graphs



TLYE262A Graphs



RADIATION PATTERN

