查询TLRE1002A供应商 捷多邦，专业PCB打样工厂，24小时加急出货

TOSHIBA

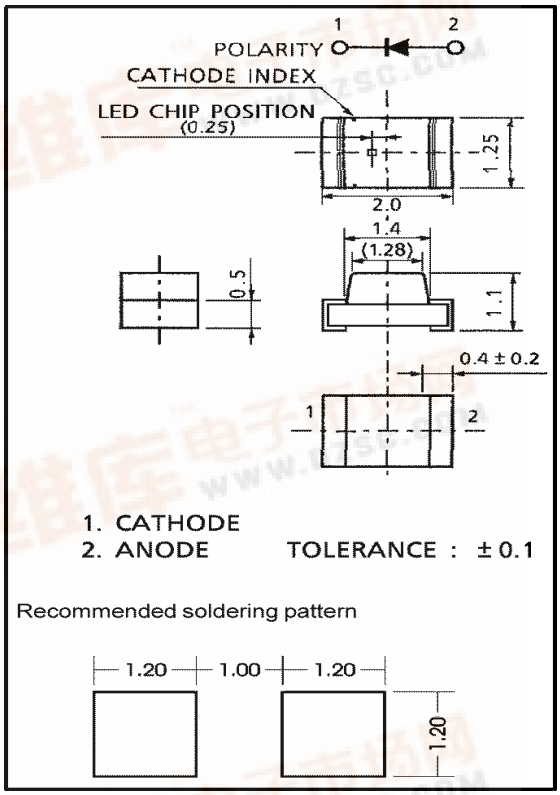
Toshiba TLxE1002A SMT LEDs

Features

2.0 X 1.25 X 1.1 mm (L X W X H)
InGaAlP Technology
Reflow soldering is possible
Standard embossing taping 4 mm pitch : T02 (3000 pcs/reel)

Applications

Backlight
Low−power electronic equipment
Personal equipment



Series Line−Up

Part Number	Color	Material
TLGE1002A	Ultra Bright Yellow Green	InGaAlP
TLOE1002A	Ultra Bright Orange	InGaAlP
TLPGE1002A	Ultra Pure Green	InGaAlP
TLRE1002A	Ultra Bright Red	InGaAlP
TLSE1002A	Ultra Bright High Efficency Red	InGaAlP
TLYE1002A	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}
TLGE1002A	25	4	60.00	−25 ~ +85	−30 ~ 85
TLOE1002A	25	4	60.00	−25 ~ +85	−30 ~ 85
TLPGE1002A	25	4	60.00	−25 ~ +85	−30 ~ 85
TLRE1002A	25	4	60.00	−25 ~ +85	−30 ~ 85
TLSE1002A	25	4	60.00	−25 ~ +85	−30 ~ 85
TLYE1002A	25	4	60.00	−25 ~ +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 2θ1/2	Luminous Intensity Iv				Forward Voltage VF				Rev Current IR	
				min.	typ.	max.	IF@	min.	typ.	max.	IF@	max.	VR@
TLGE1002A	574	InGaAlP	120°	27.20	70.00	–	20mA	–	2.00	2.40	20mA	50	4V
TLOE1002A	612	InGaAlP	120°	47.60	150.00	–	20mA	–	2.00	2.40	20mA	50	4V
TLPGE1002A	562	InGaAlP	120°	4.76	18.00	–	20mA	–	2.10	2.40	20mA	50	4V
TLRE1002A	644	InGaAlP	120°	27.20	70.00	–	20mA	–	1.90	2.40	20mA	50	4V
TLSE1002A	623	InGaAlP	120°	47.60	135.00	–	20mA	–	1.90	2.40	20mA	50	4V
TLYE1002A	590	InGaAlP	120°	27.20	105.00	–	20mA	–	2.00	2.40	20mA	50	4V
–	nm	–	deg	mcd			–	V			–	μA	–

NOTICE:

- TOSHIBA is continually working to improve the quality and reliability of its products. Nevertheless, semiconductor devices in general can malfunction or fail due to their inherent electrical sensitivity and vulnerability to physical stress. It is the responsibility of the buyer, when utilizing TOSHIBA products, to comply with the standards of safety in making a safe design for the entire system, and to avoid situations in which a malfunction or failure of such TOSHIBA products could cause loss of human life, bodily injury or damage to property.
- In developing your designs, please ensure that TOSHIBA products are used within specified operating ranges as set forth in the most recent TOSHIBA products specifications. Also, please keep in mind the precautions and conditions set forth in the “Handling Guide for Semiconductor Devices,” or “TOSHIBA Semiconductor Reliability Handbook” etc..
- The TOSHIBA products listed in this document are intended for usage in general electronics applications (computer, personal equipment, office equipment, measuring equipment, industrial robotics, domestic appliances, etc.). These TOSHIBA products are neither intended nor warranted for usage in equipment that requires extraordinarily high quality and/or reliability or a malfunction or failure of which may cause loss of human life or bodily injury (“Unintended Usage”). Unintended Usage include atomic energy control instruments, airplane or spaceship instruments, transportation instruments, traffic signal instruments, combustion control instruments, medical instruments, all types of safety devices, etc.. Unintended Usage of TOSHIBA products listed in this document shall be made at the customer’s own risk.
- Gallium arsenide (GaAs) is a substance used in the products described in this document. GaAs dust and fumes are toxic. Do not break, cut or pulverize the product, or use chemicals to dissolve them. When disposing of the products, follow the appropriate regulations. Do not dispose of the products with other industrial waste or with domestic garbage.
- The information contained herein is presented only as a guide for the applications of our products. No responsibility is assumed by TOSHIBA CORPORATION for any infringements of intellectual property or other rights of the third parties which may result from its use. No license is granted by implication or otherwise under any intellectual property or other rights of TOSHIBA CORPORATION or others.
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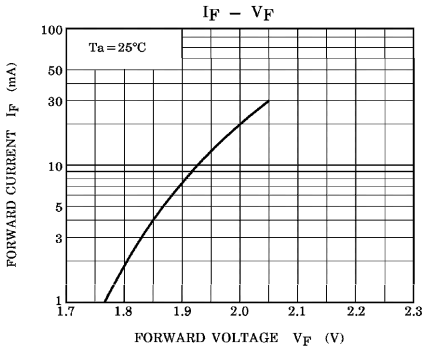
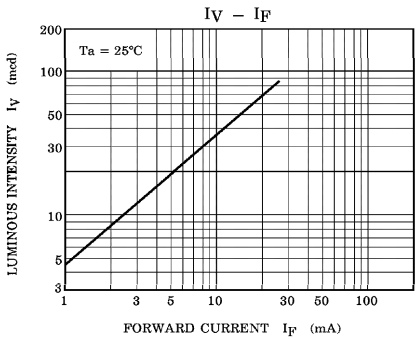
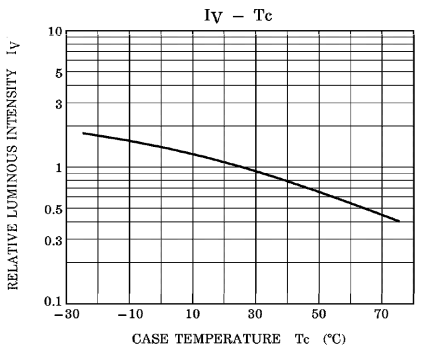
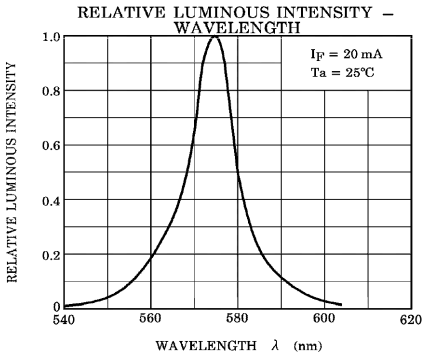
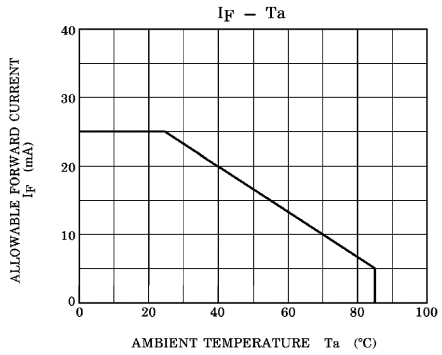
TLGE1002A Graphs

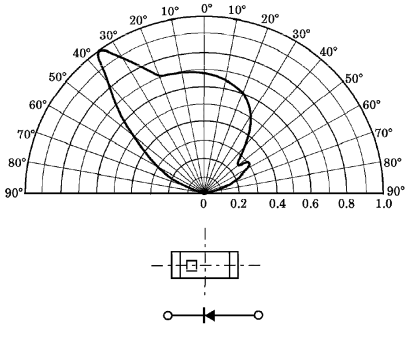


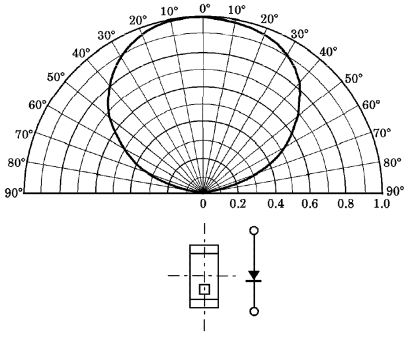












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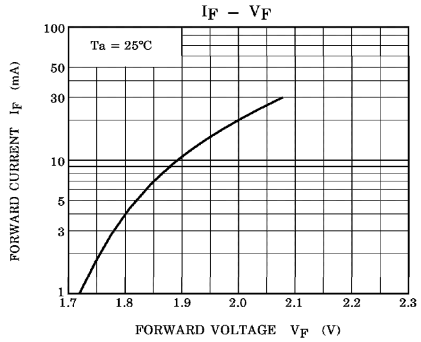
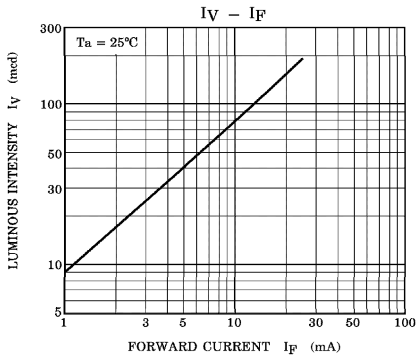
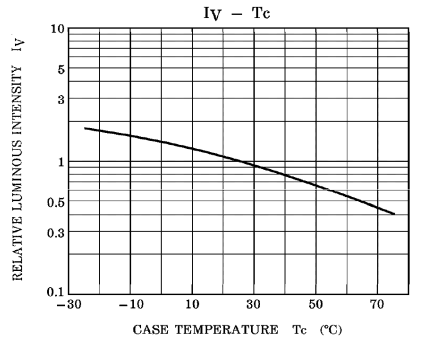
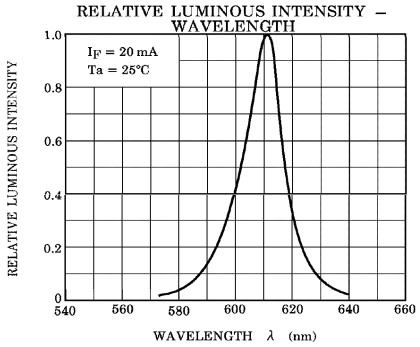
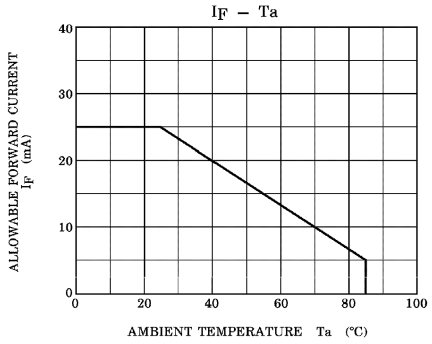
TLOE1002A Graphs

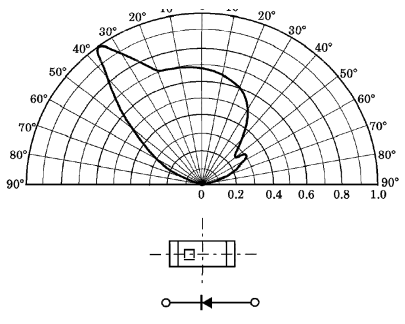


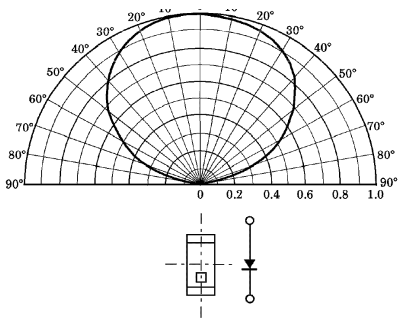












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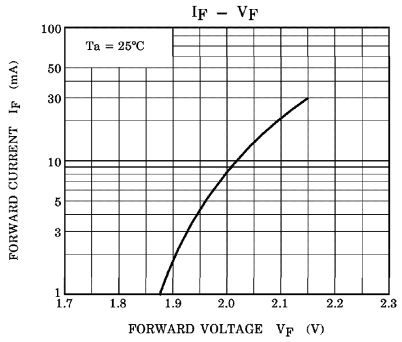
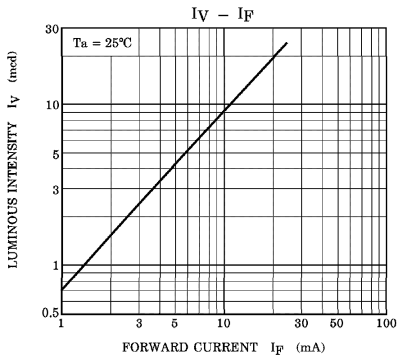
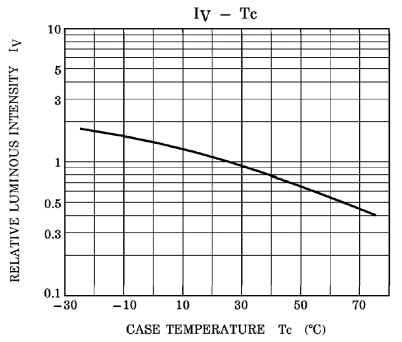
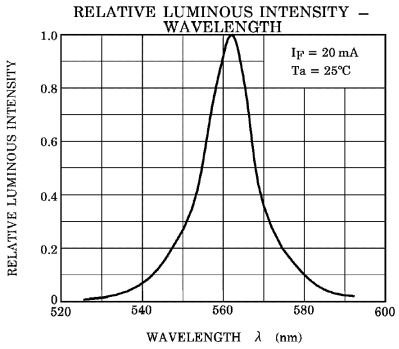
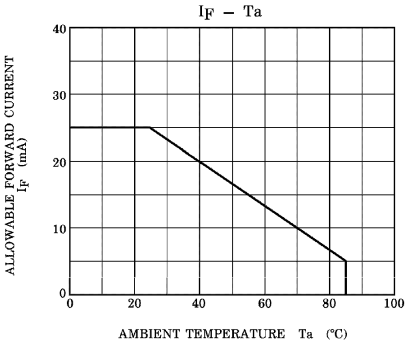
TLPGE1002A Graphs

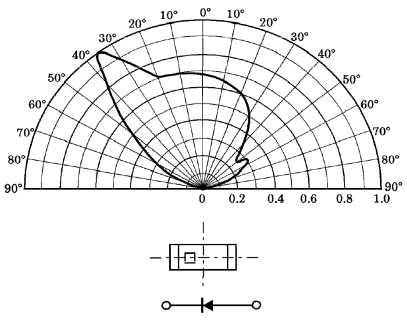


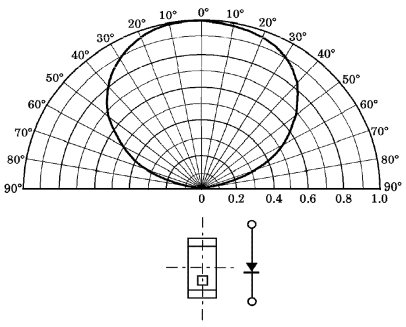












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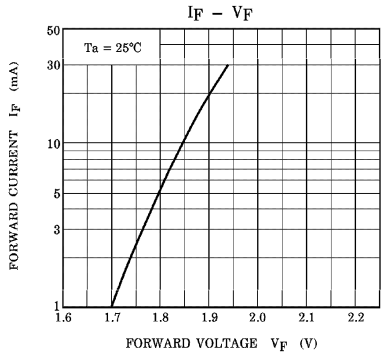

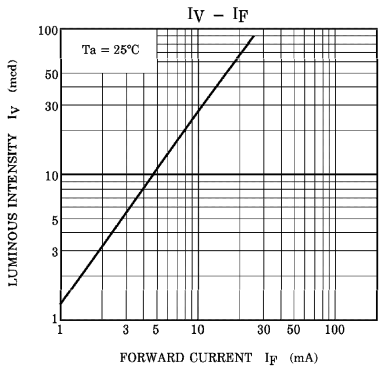

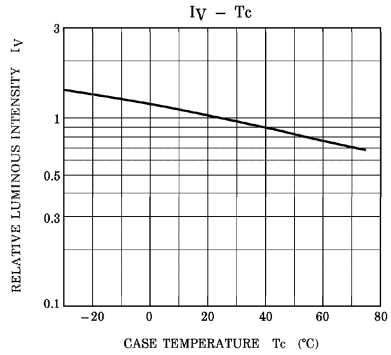

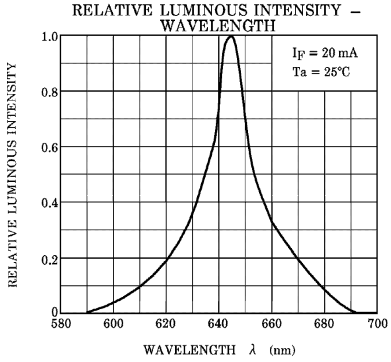

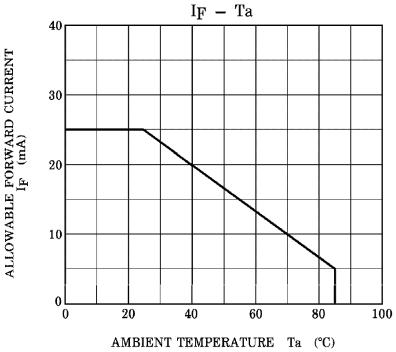

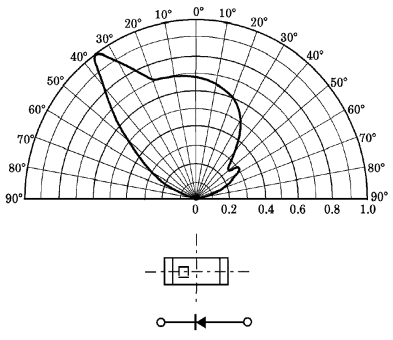

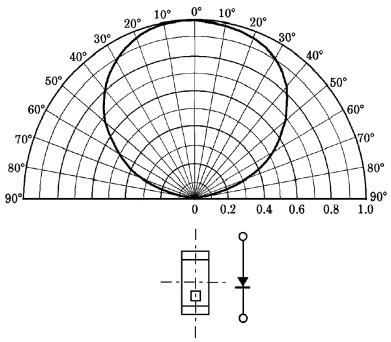

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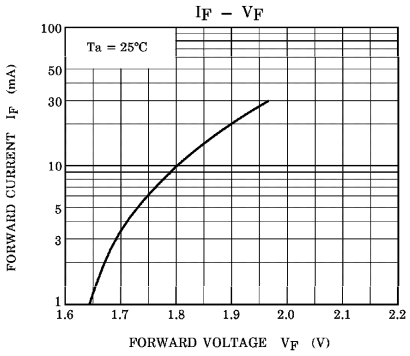
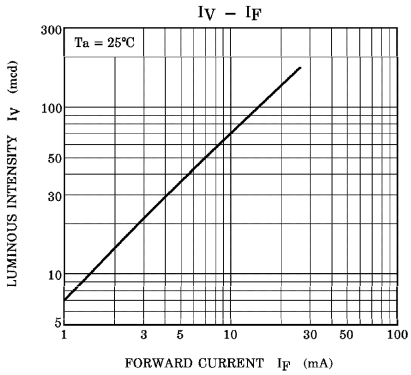
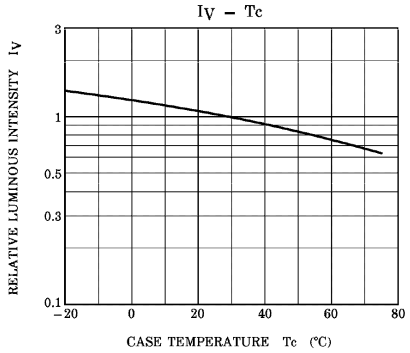
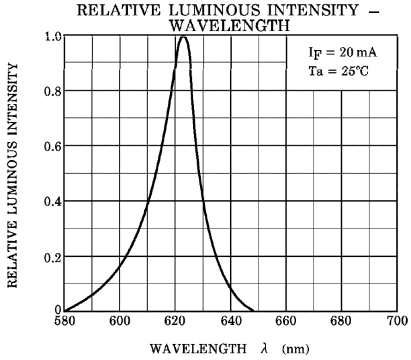
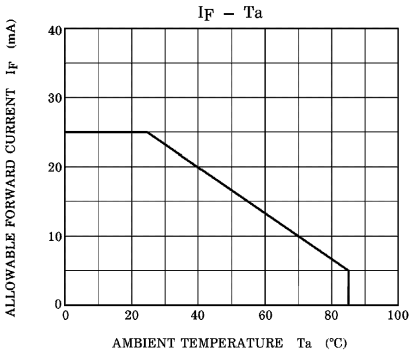
TLSE1002A Graphs

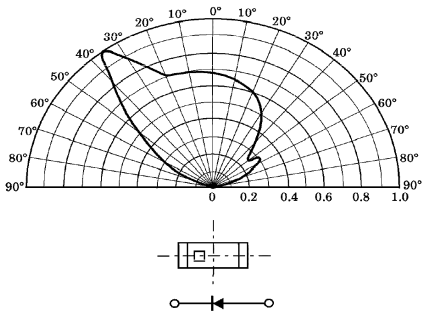


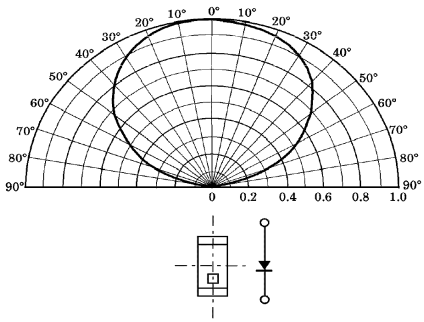












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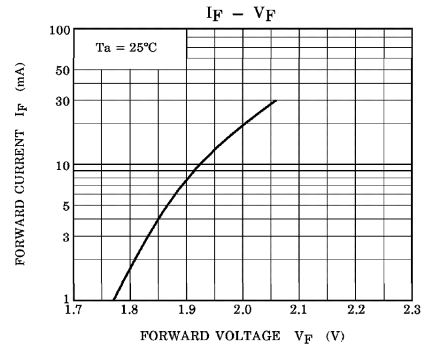
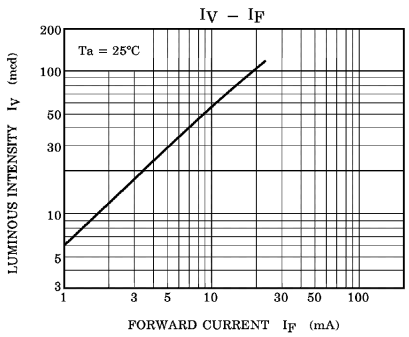
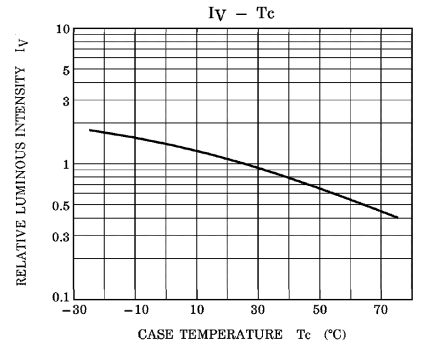
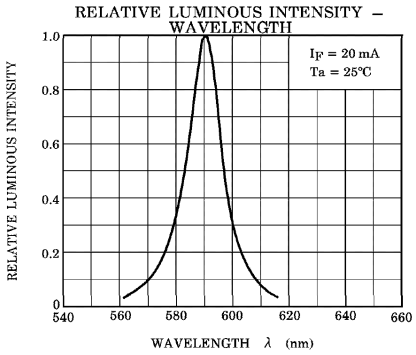
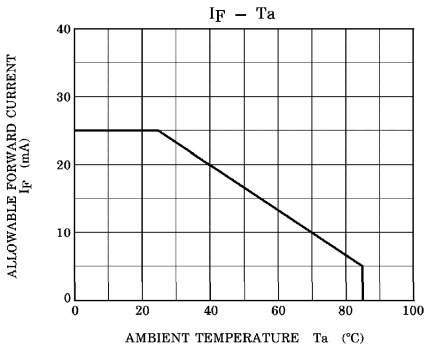
TLYE1002A Graphs

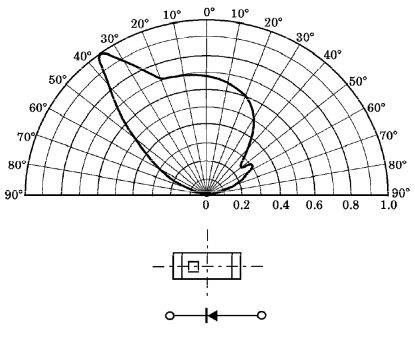


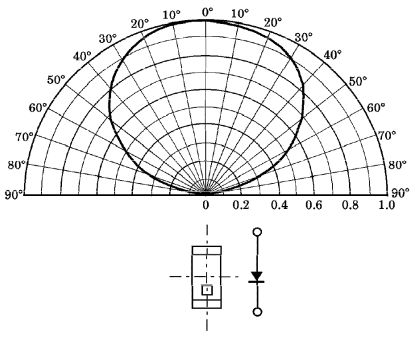












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