

TOSHIBA

TL(RE,RME,SE,OE,YE,PYE,GE,FGE,PGE)62T

TOSHIBA InGaAlP LED

**TLRE62T,TLRME62T,TLSE62T,TLOE62T,TLYE62T,
TLPYE62T,TLGE62T,TLFGE62T,TLPGE62T**

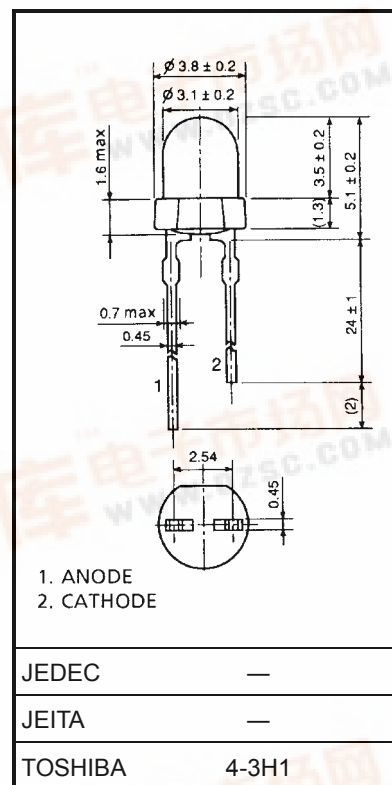
Panel Circuit Indicators

Unit: mm

- $\phi 3$ mm package
- InGaAlP technology
- All plastic mold type
- Transparent lens
- Line-up: 6 colors (red, orange, yellow, pure yellow, green and pure green)
- High intensity light emission
- Excellent low current light output
- Applications: message boards, security devices and dashboard displays

Line-up

Product Name	Color	Material
TLRE62T	Red	InGaAlP
TLRME62T	Red	
TLSE62T	Red	
TLOE62T	Orange	
TLYE62T	Yellow	
TLPYE62T	Pure Yellow	
TLGE62T	Green	
TLFGE62T	Green	
TLPGE62T	Pure Green	



Weight: 0.14 g

Maximum Ratings (Ta = 25°C)

Product Name	Forward Current I _F (mA)	Reverse Voltage V _R (V)	Power Dissipation P _D (mW)	Operating Temperature T _{opr} (°C)	Storage Temperature T _{stg} (°C)
TLRE62T	50	4	120	-40~100	-40~120
TLRME62T	50	4	120		
TLSE62T	50	4	120		
TLOE62T	50	4	120		
TLYE62T	50	4	120		
TLPYE62T	50	4	120		
TLGE62T	50	4	120		
TLFGE62T	50	4	120		
TLPGE62T	50	4	120		

Electrical and Optical Characteristics (Ta = 25°C)

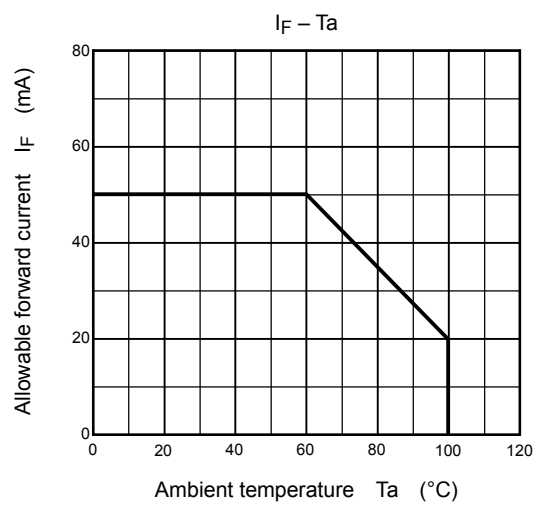
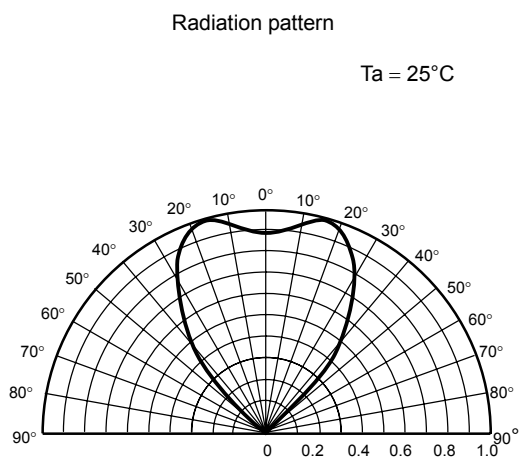
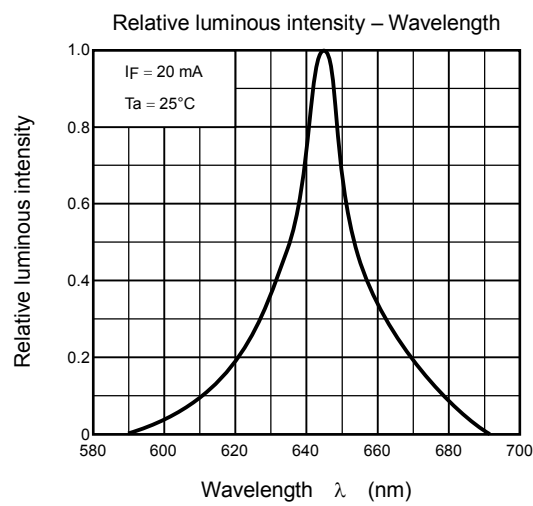
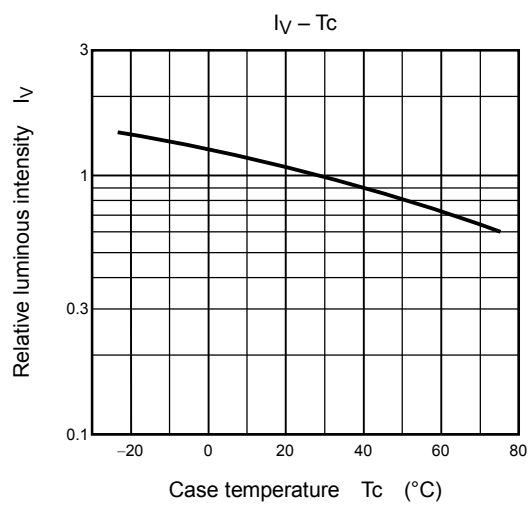
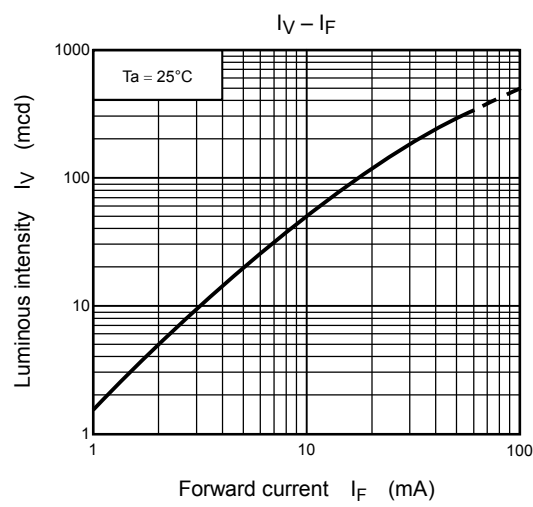
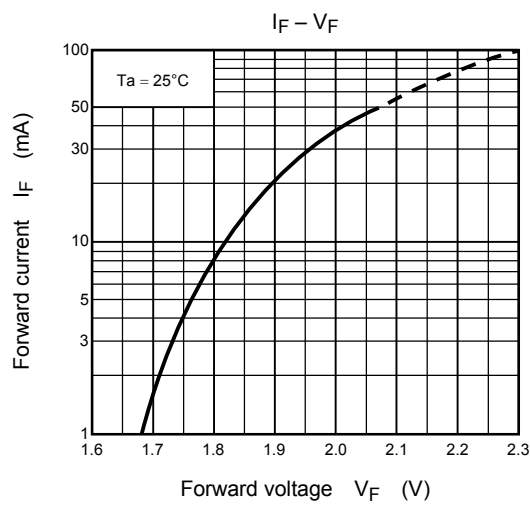
Product Name	Typ. Emission Wavelength				Luminous Intensity I _V			Forward Voltage V _F			Reverse Current I _R	
	λ _d	λ _p	Δλ	I _F	Min	Typ.	I _F	Typ.	Max	I _F	Max	V _R
TLRE62T	630	(644)	20	20	47.6	120	20	1.9	2.4	20	50	4
TLRME62T	626	(636)	23	20	47.6	180	20	1.9	2.4	20	50	4
TLSE62T	613	(623)	20	20	85	200	20	1.9	2.4	20	50	4
TLOE62T	605	(612)	20	20	153	350	20	2.0	2.4	20	50	4
TLYE62T	587	(590)	17	20	85	250	20	2.0	2.4	20	50	4
TLPYE62T	580	(583)	14	20	47.6	150	20	2.0	2.4	20	50	4
TLGE62T	571	(574)	17	20	47.6	110	20	2.0	2.4	20	50	4
TLFGE62T	565	(568)	15	20	27.2	70	20	2.0	2.4	20	50	4
TLPGE62T	558	(562)	14	20	15.3	45	20	2.1	2.4	20	50	4
Unit	nm			mA	mcd		mA	V		mA	μA	V

Precautions

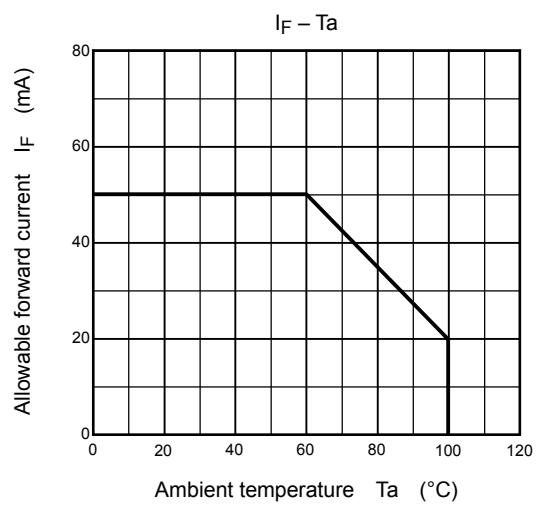
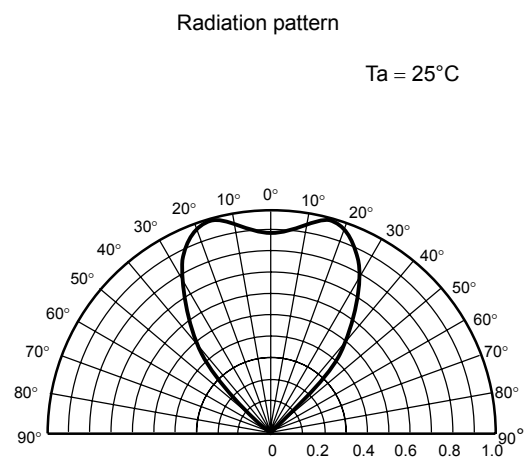
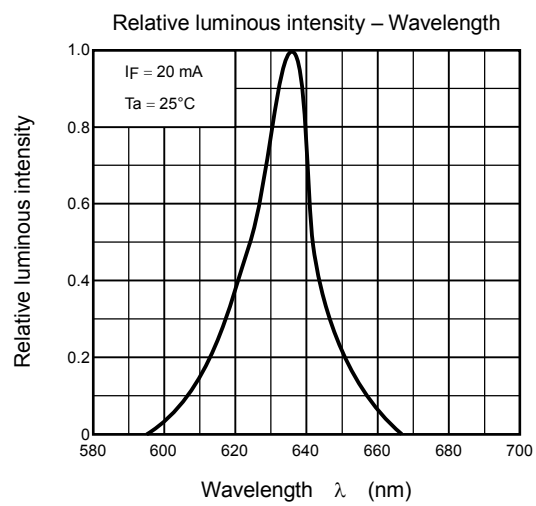
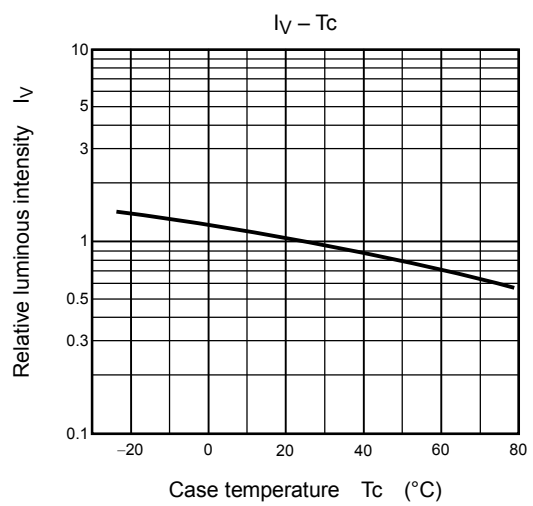
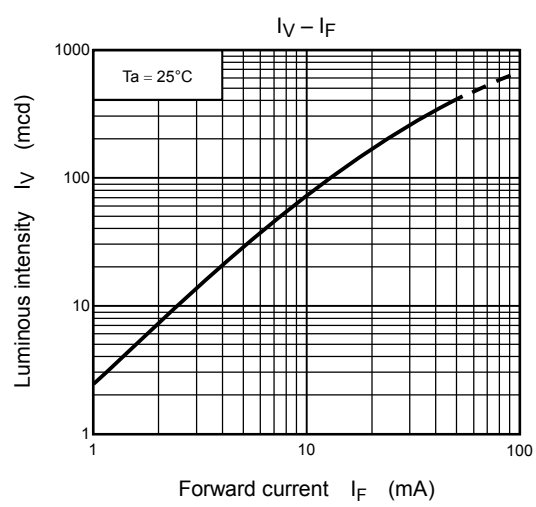
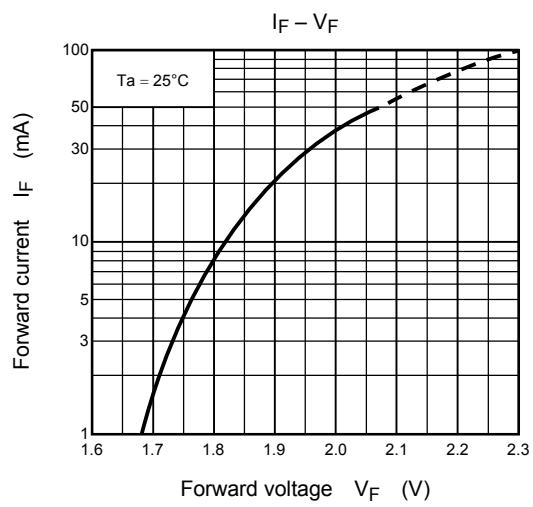
Please be careful of the following:

- 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.

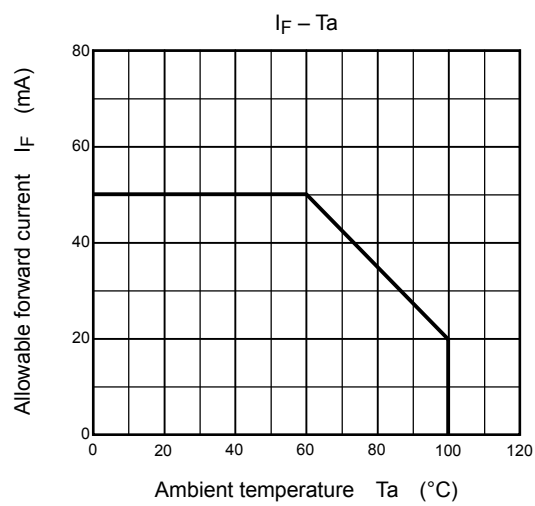
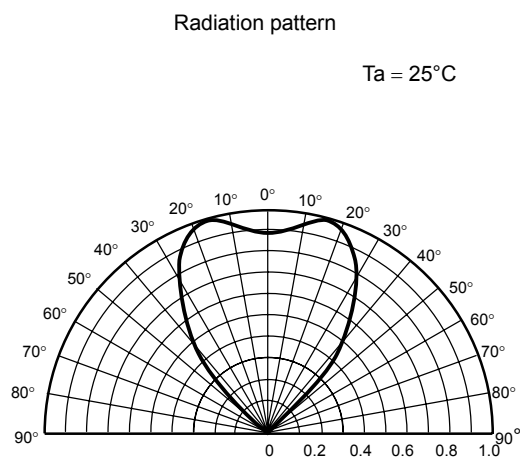
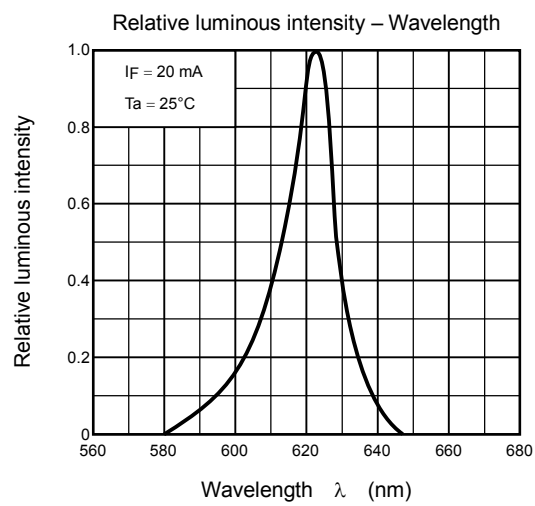
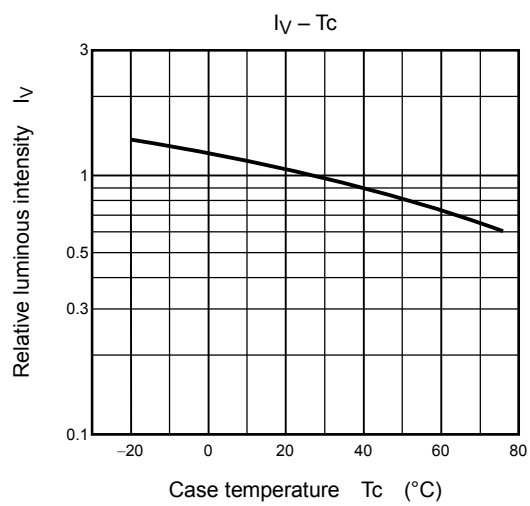
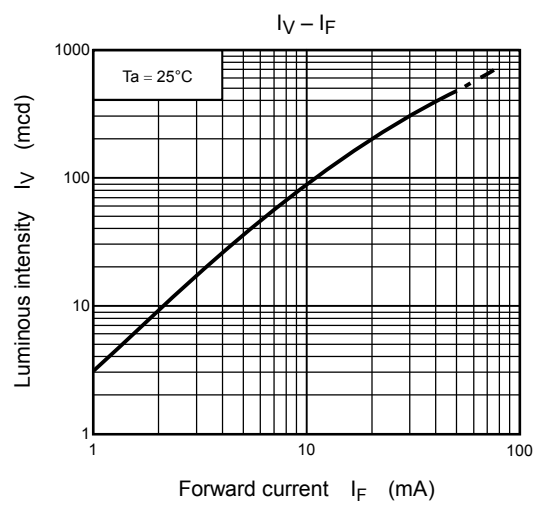
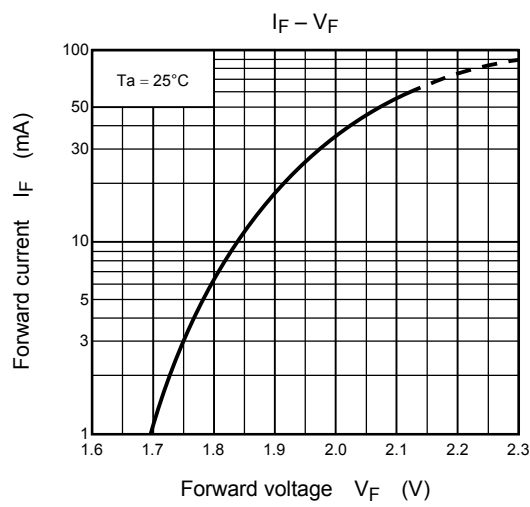
TLRE62T



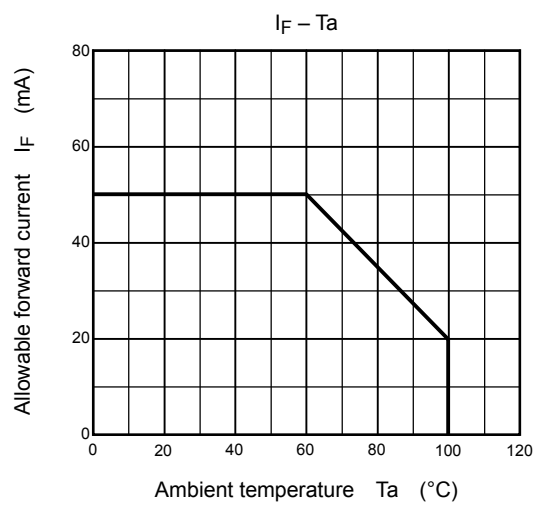
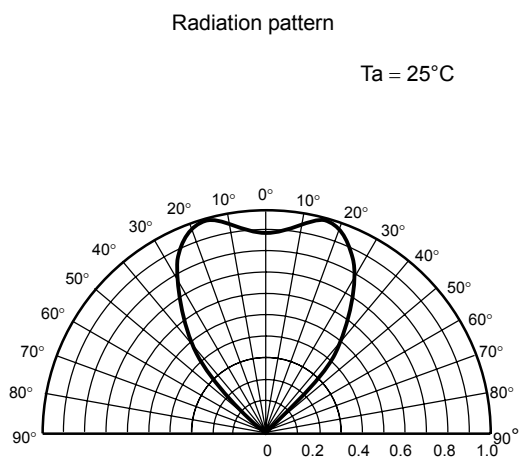
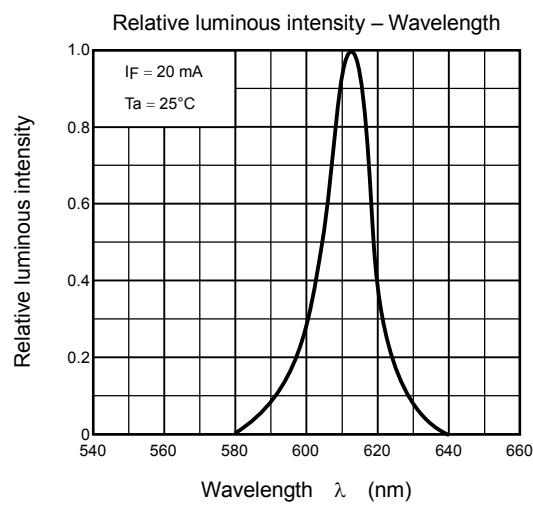
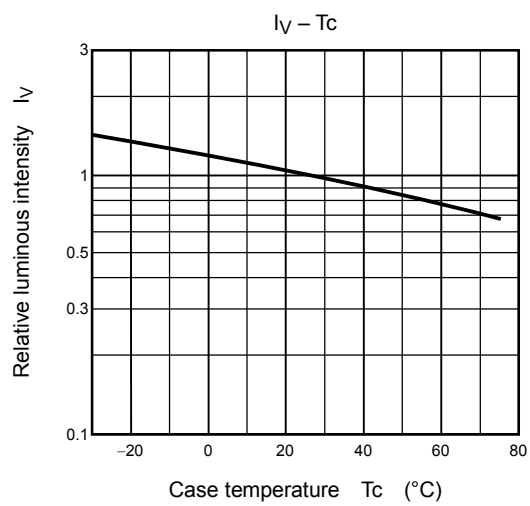
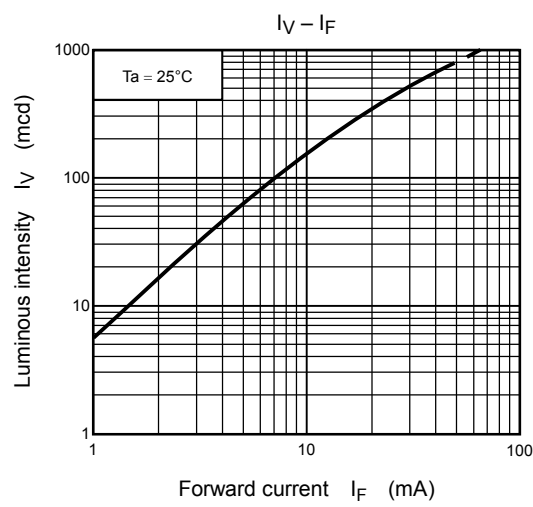
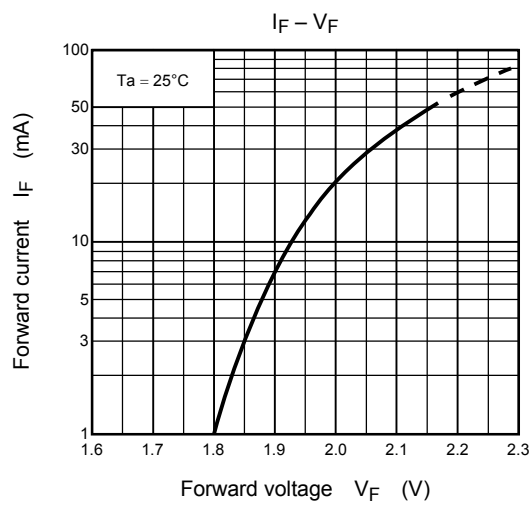
TLRME62T



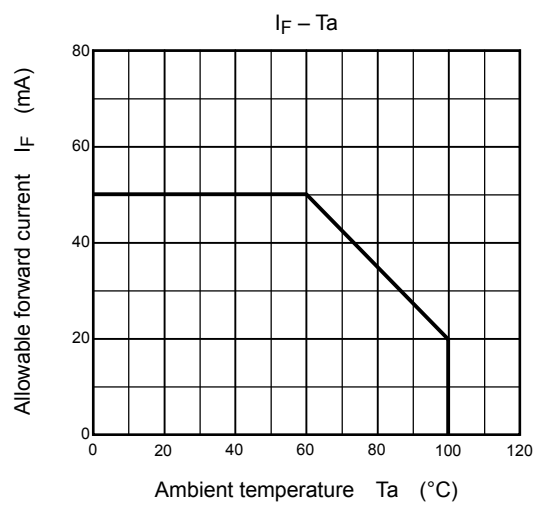
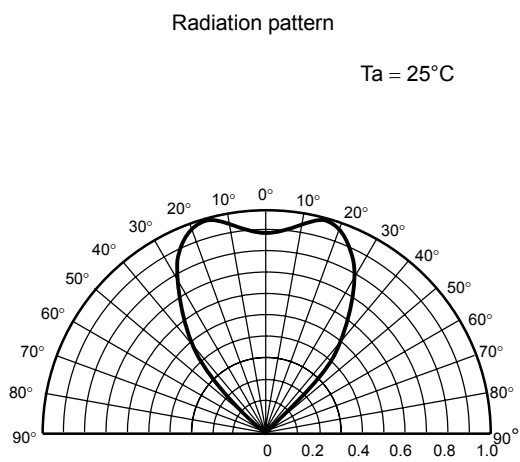
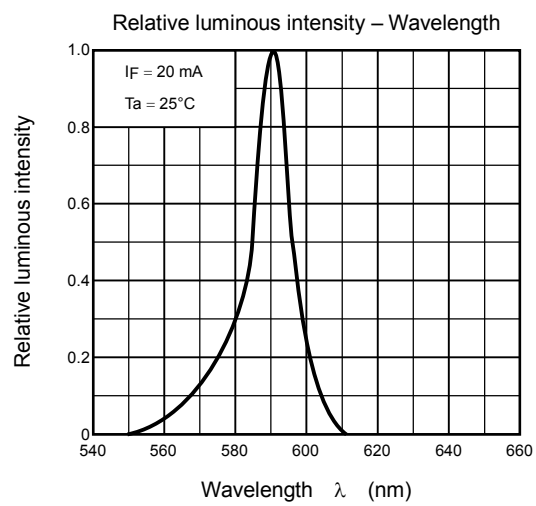
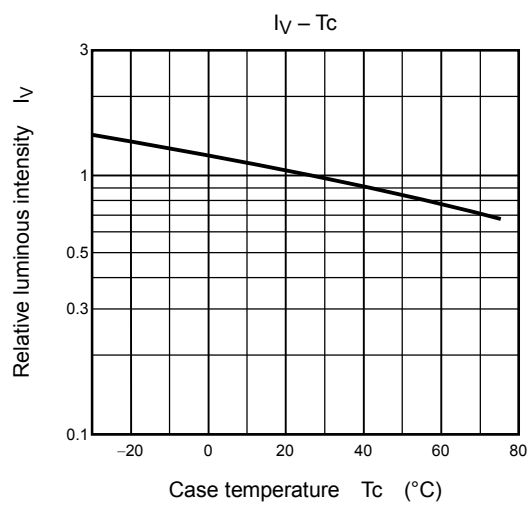
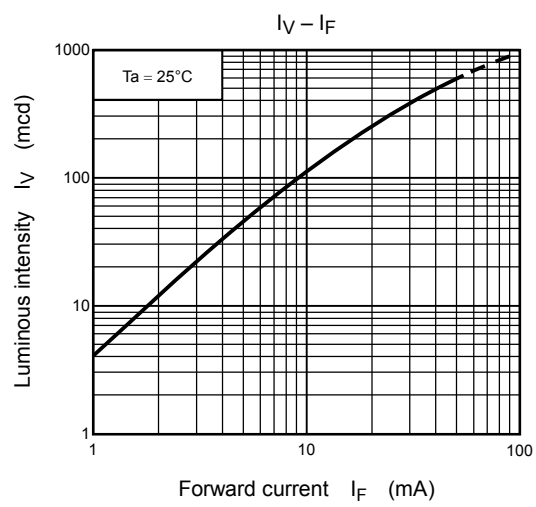
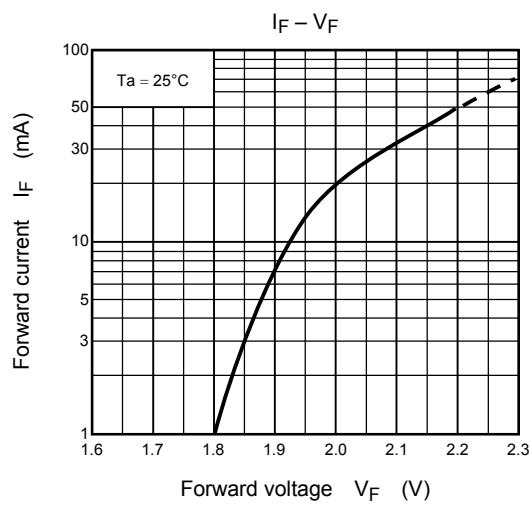
TLSE62T



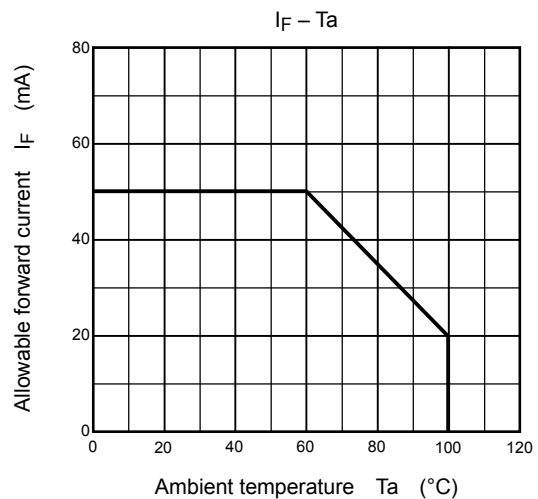
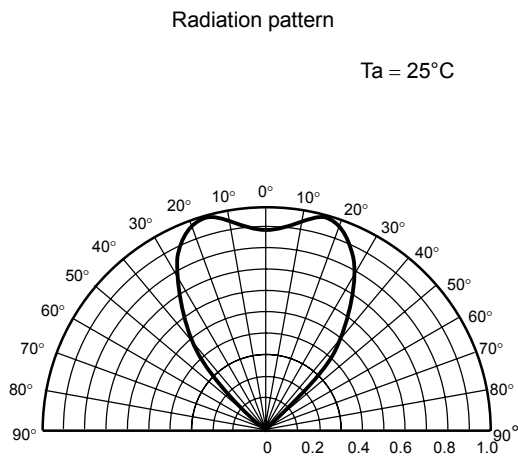
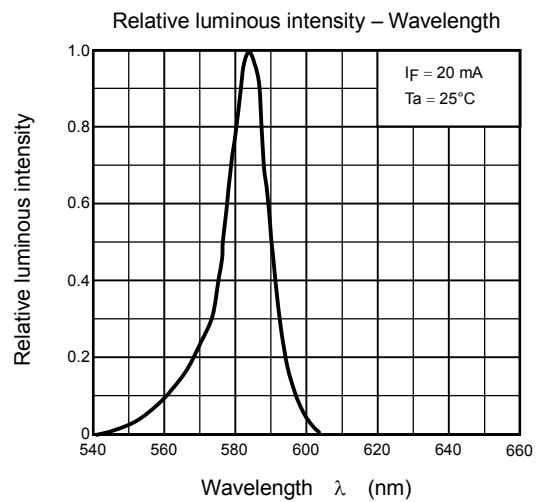
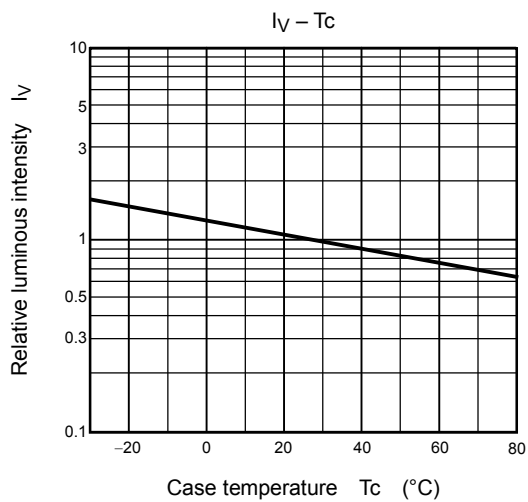
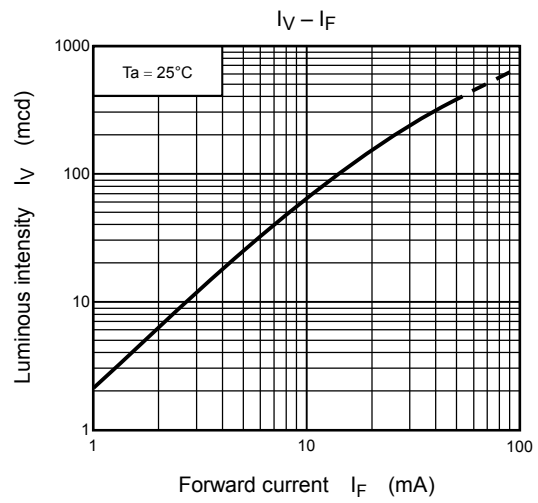
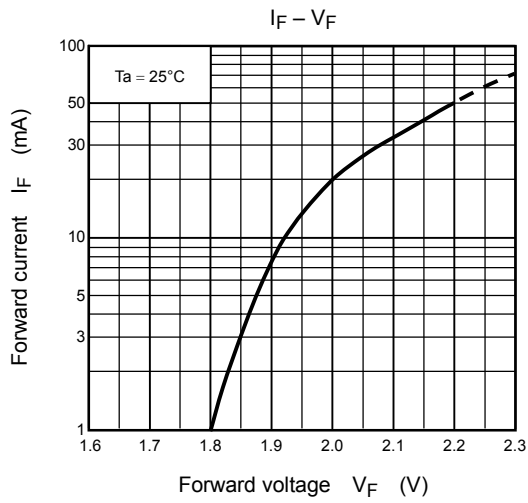
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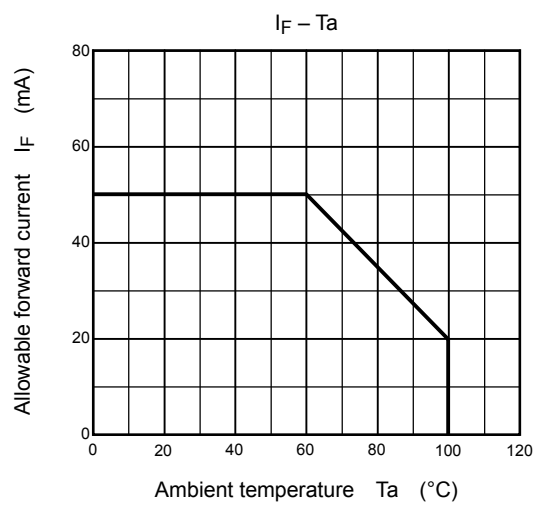
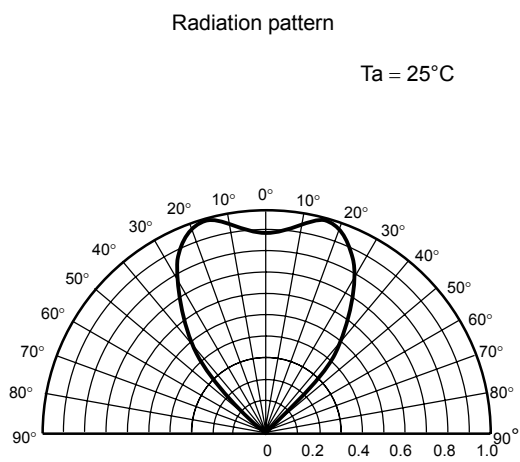
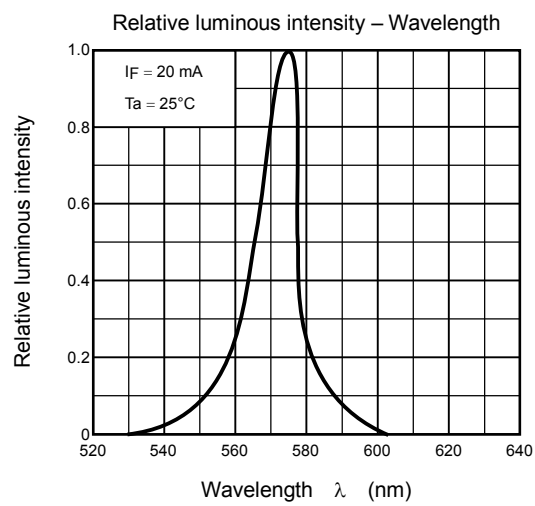
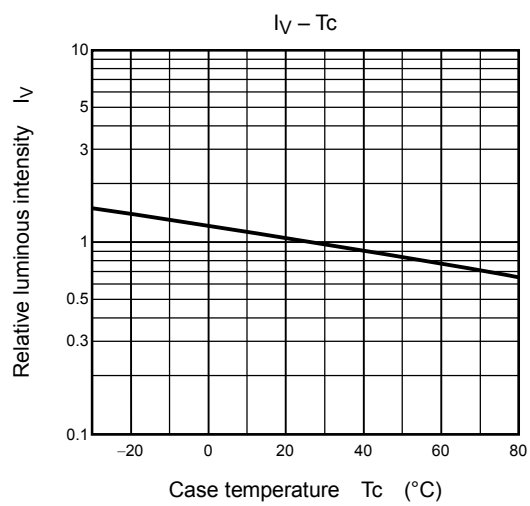
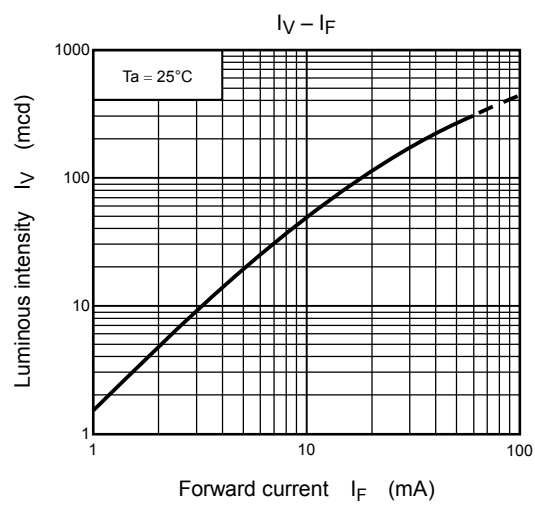
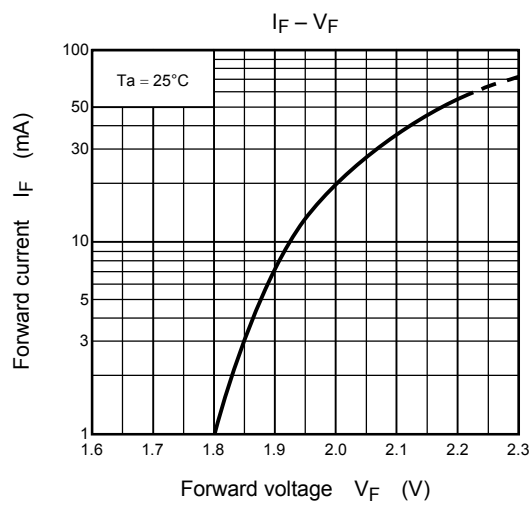
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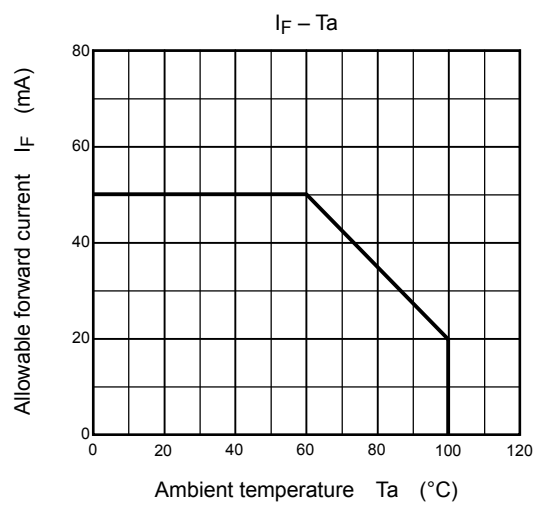
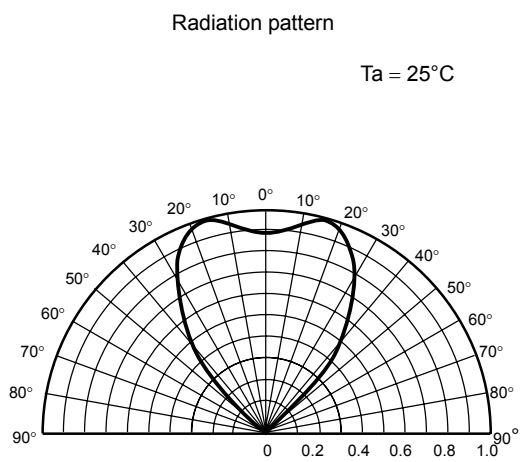
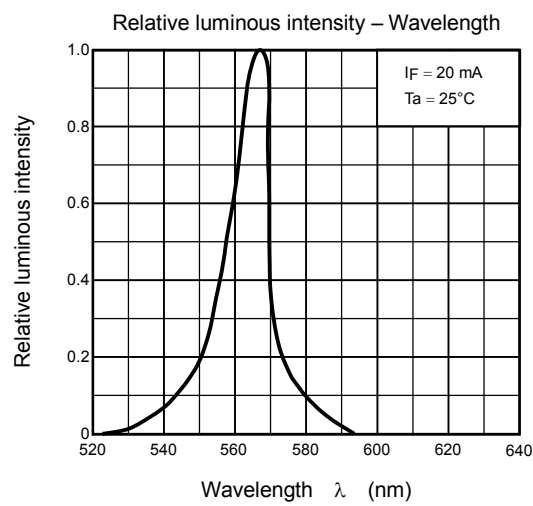
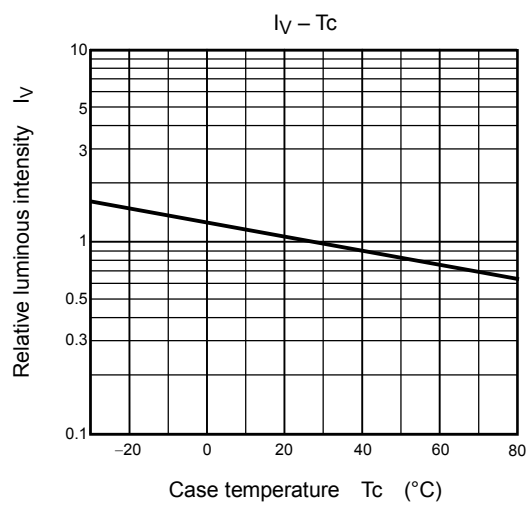
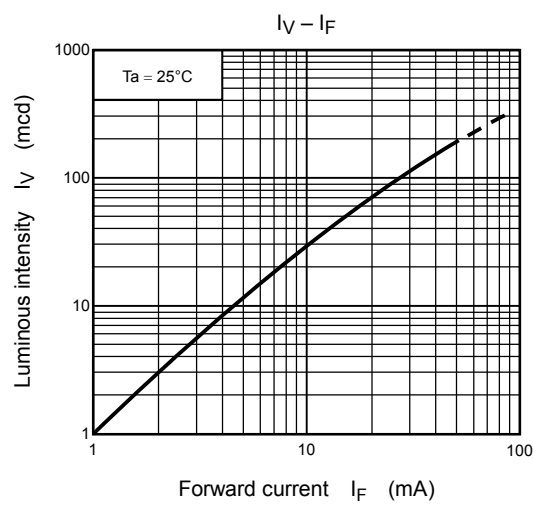
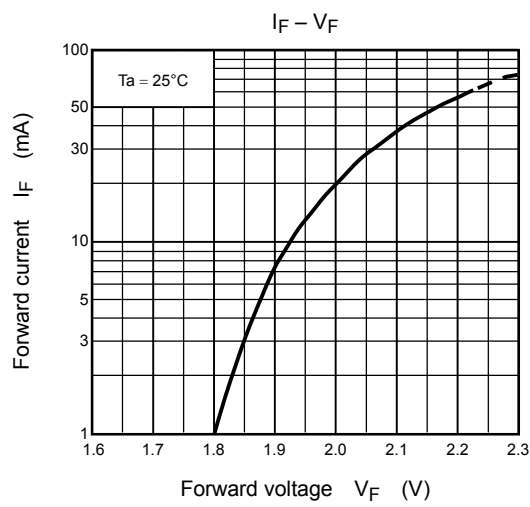
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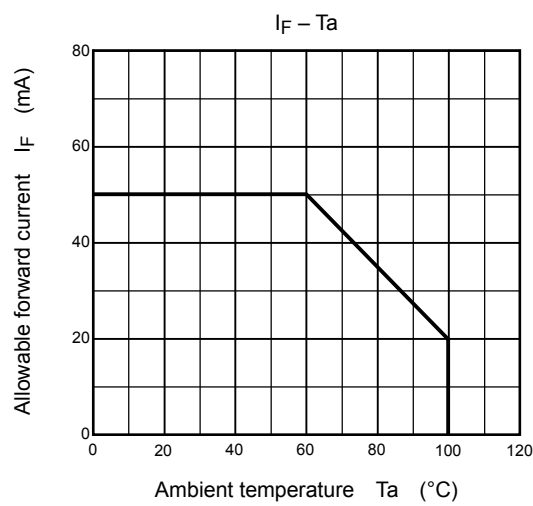
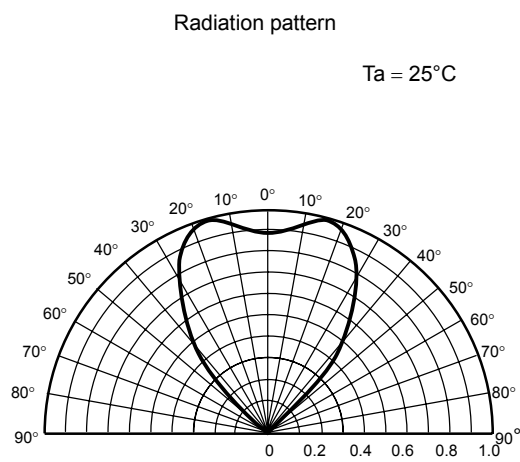
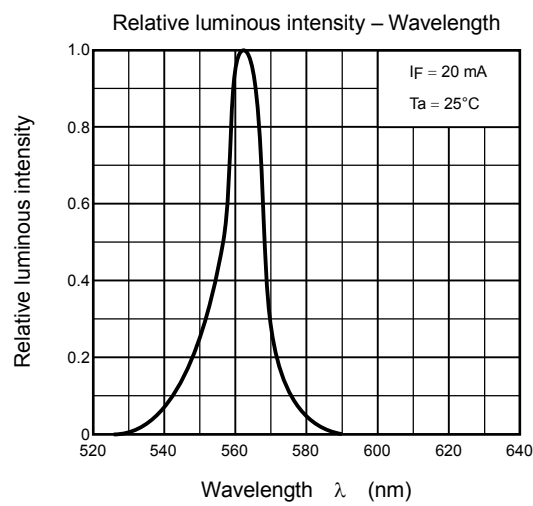
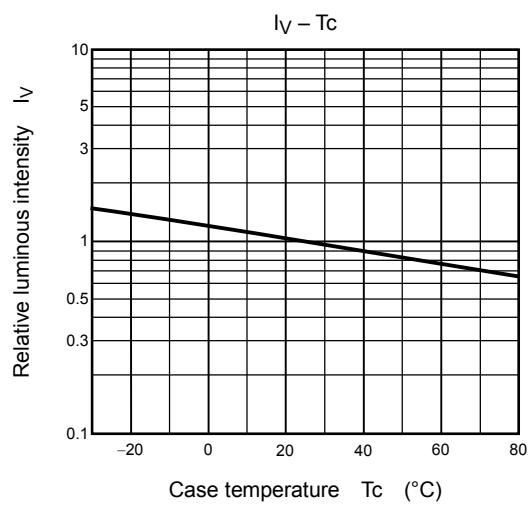
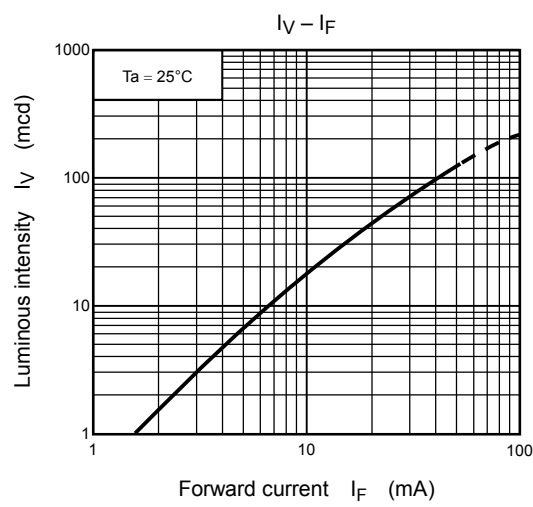
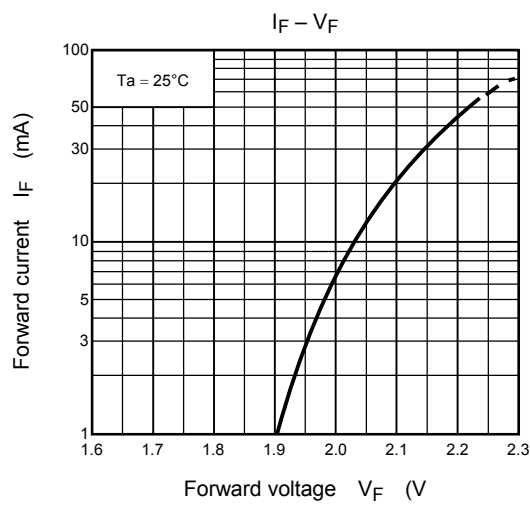
TLGE62T



TLFGE62T



TLPGE62T



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