

TOSHIBA LED LAMP

TLRE17T, TLRME17T, TLSE17T TLOE17T, TLYE17T

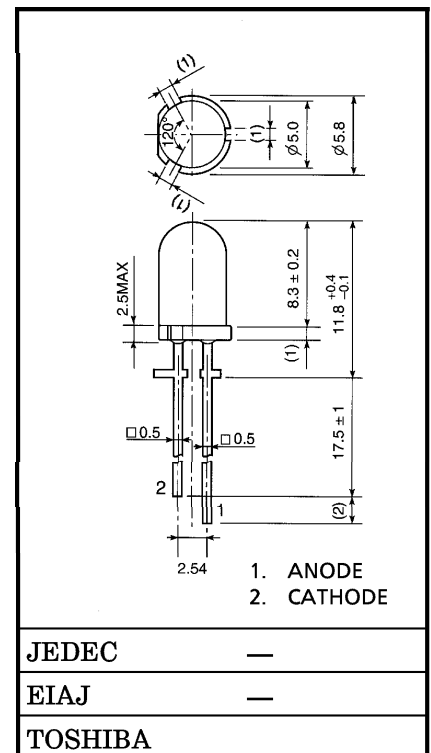
PANEL CIRCUIT INDICATOR

- 5 mm Package
- InGaAlP Technology
- All Plastic Mold Type
- Transparent Lens
- High Intensity Light Emission
- Excellent Low Current Light Output
- Applications: Outdoor Message Signboards, Safety Equipment

LINE-UP

PRODUCT NAME	COLOR	MATERIAL
TLRE17T	RED	InGaAlP
TLRME17T	RED	InGaAlP
TLSE17T	RED	InGaAlP
TLOE17T	ORANGE	InGaAlP
TLYE17T	YELLOW	InGaAlP

Unit in mm



Weight : 0.31 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)
TLRE17T	50	4	120	-40~100	-40~120
TLRME17T	50	4	120		
TLSE17T	50	4	120		
TLOE17T	50	4	120		
TLYE17T	50	4	120		

ELECTRICAL AND OPTICAL CHARACTERISTICS (Ta = 25°C)

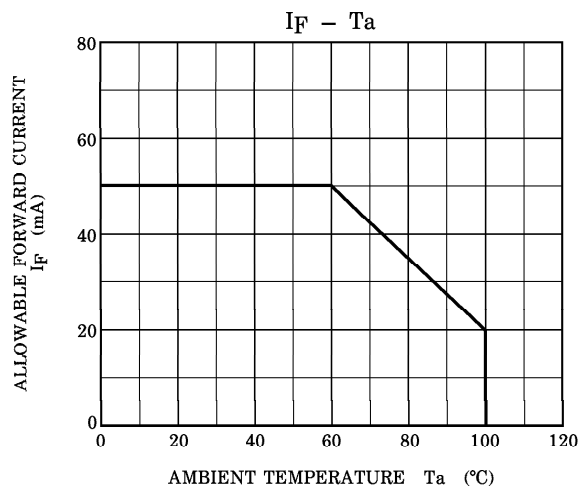
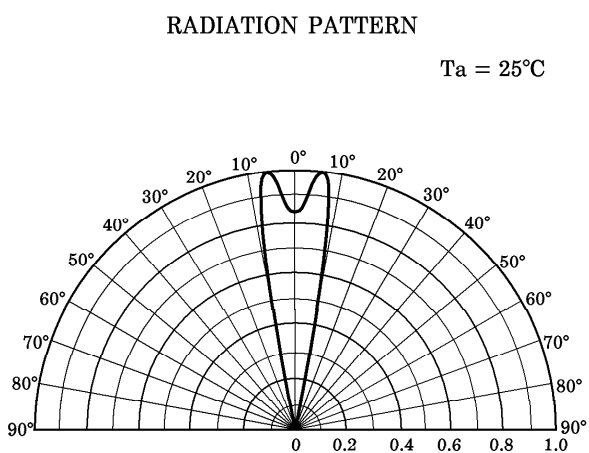
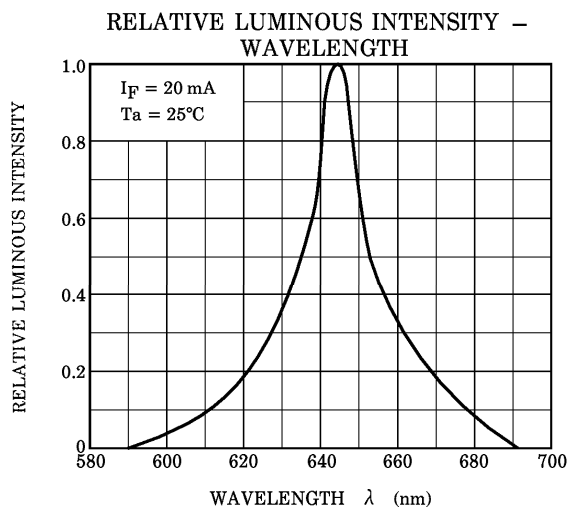
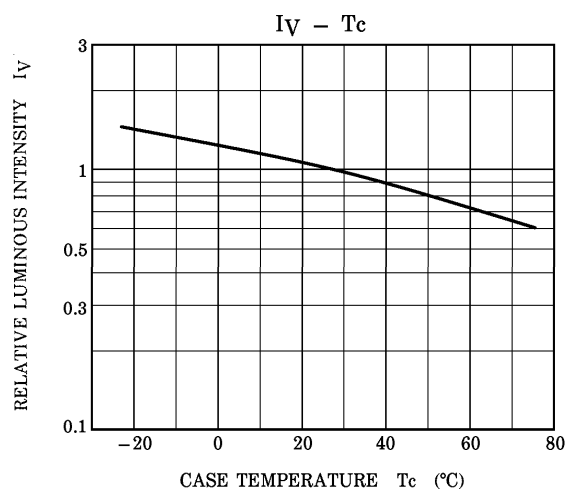
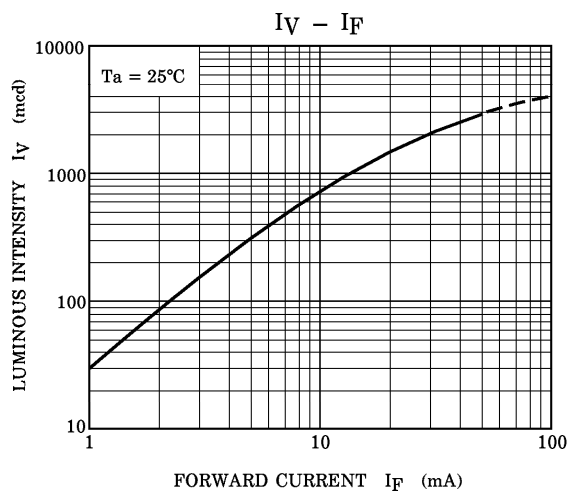
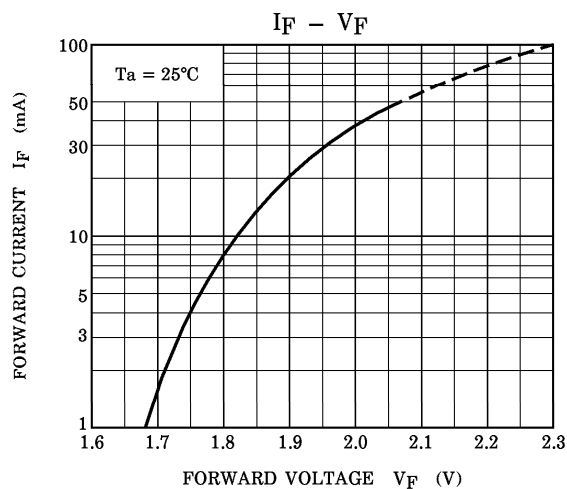
PRODUCT NAME	TYP. EMISSION WAVELENGTH				LUMINOUS INTENSITY I _V			FORWARD VOLTAGE V _F			REVERSE CURRENT I _R	
	λ _d	λ _p	Δλ	I _F	MIN	TYP.	I _F	TYP.	MAX	I _F	MAX	V _R
TLRE17T	630	(644)	20	20	476	1500	20	1.9	2.4	20	50	4
TLRME17T	626	(636)	23	20	850	2400	20	1.9	2.4	20	50	4
TLSE17T	613	(623)	20	20	850	3000	20	1.9	2.4	20	50	4
TLOE17T	605	(612)	20	20	1530	4500	20	2.0	2.4	20	50	4
TLYE17T	587	(590)	17	20	850	3000	20	2.0	2.4	20	50	4
Unit	nm			mA	mcd		mA	V		mA	μA	V

PRECAUTIONS

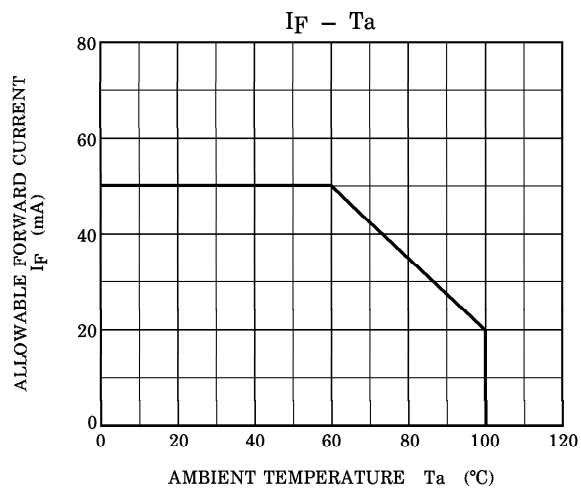
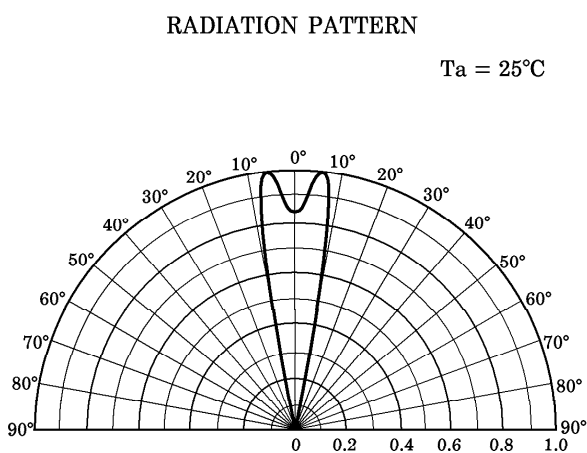
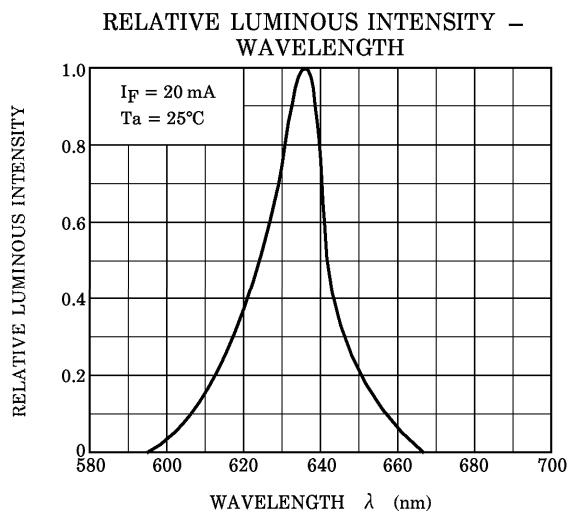
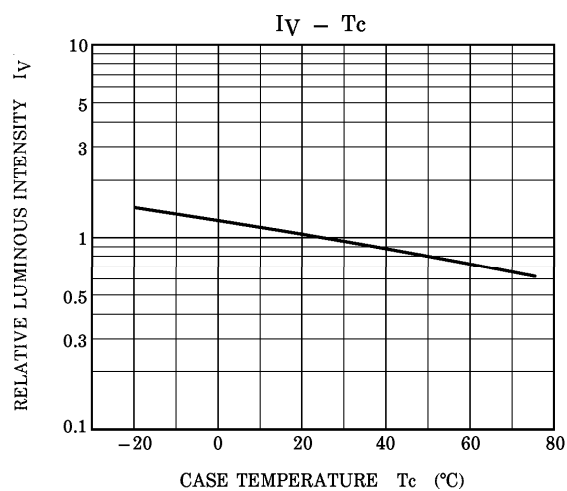
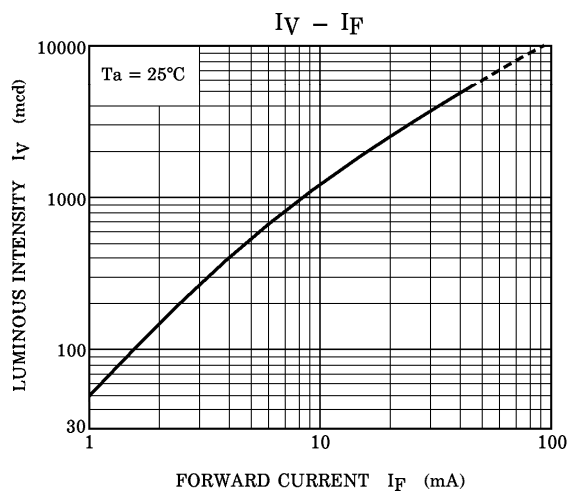
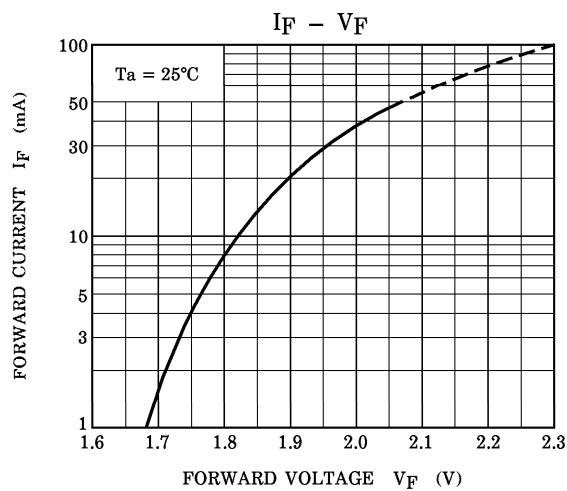
Please be careful of the following:

- Soldering temperature: 260°C max, soldering time: 3s max
(soldering portion of lead: below the lead stopper)
- 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.

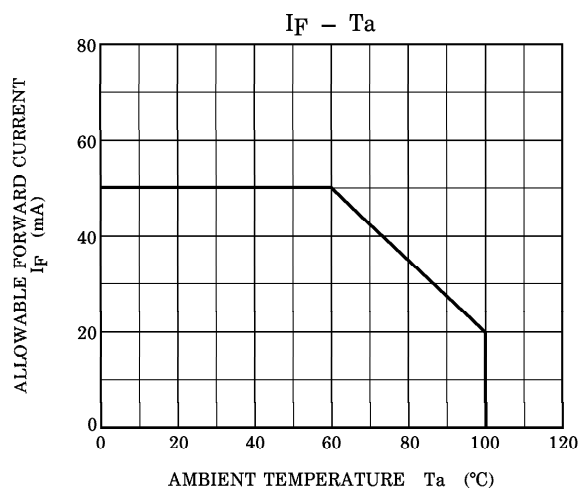
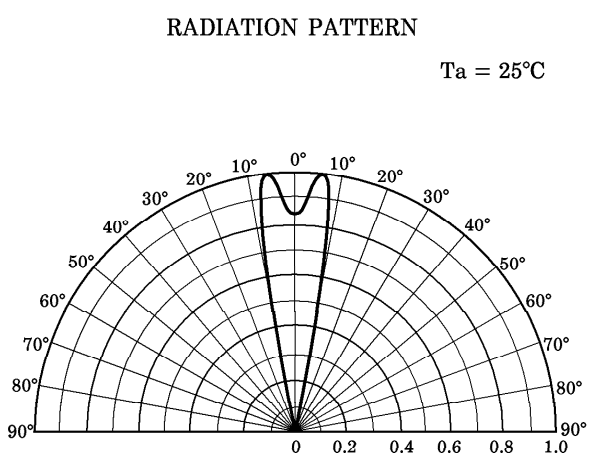
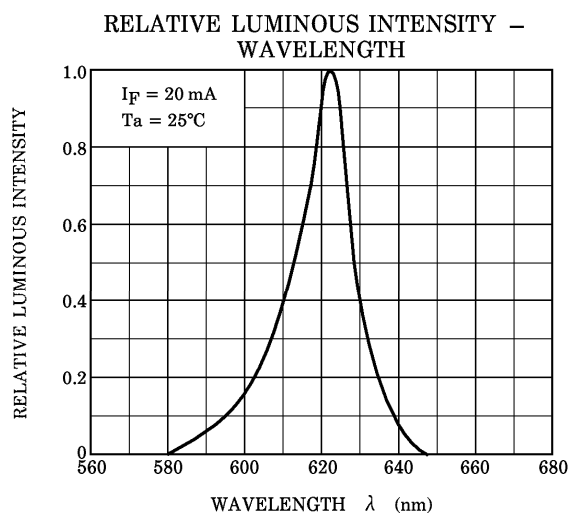
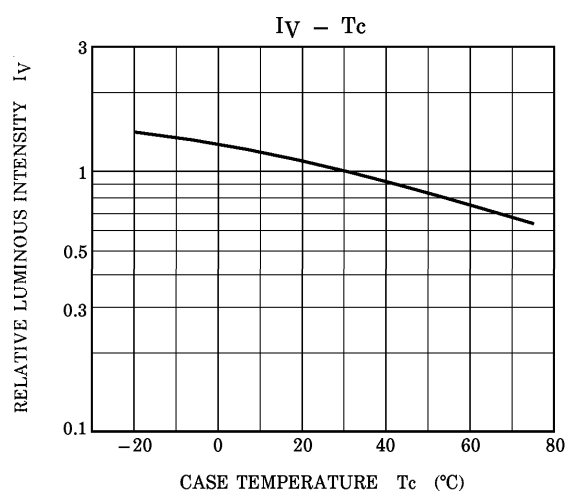
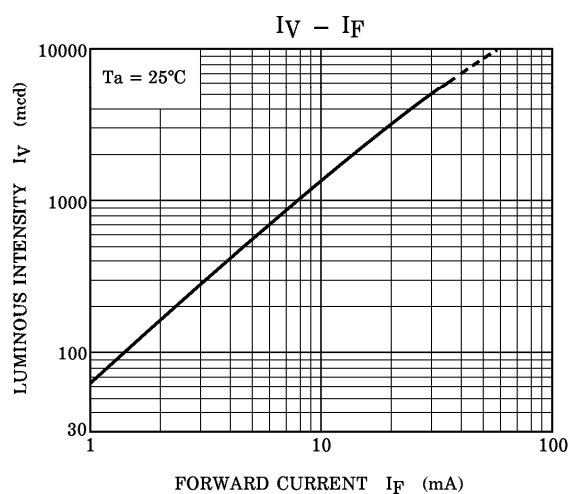
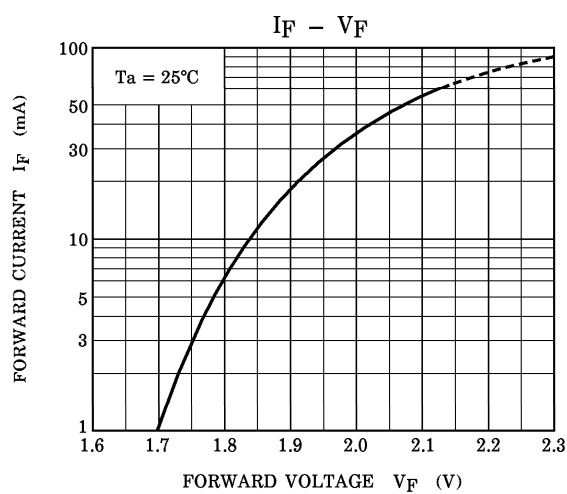
TLRE17T



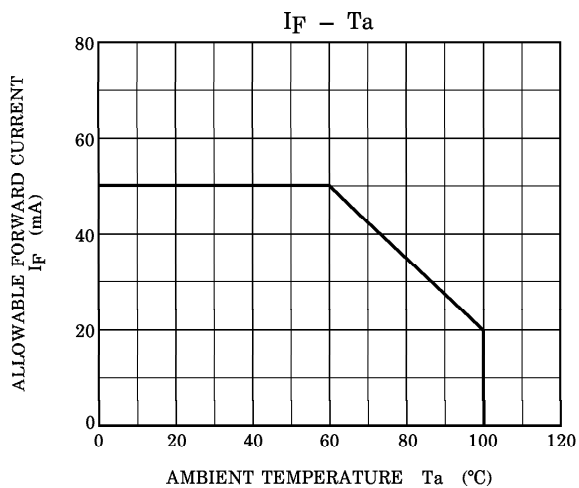
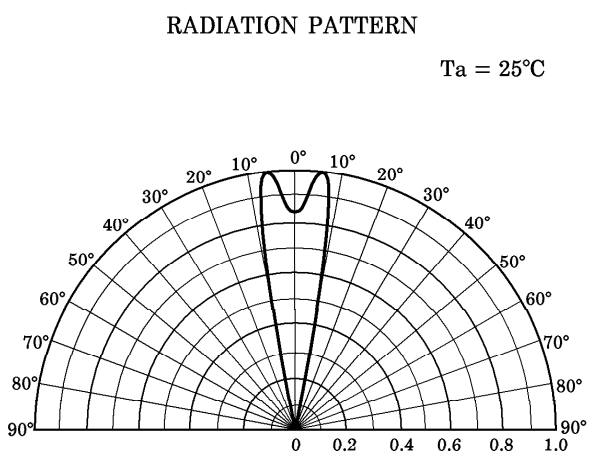
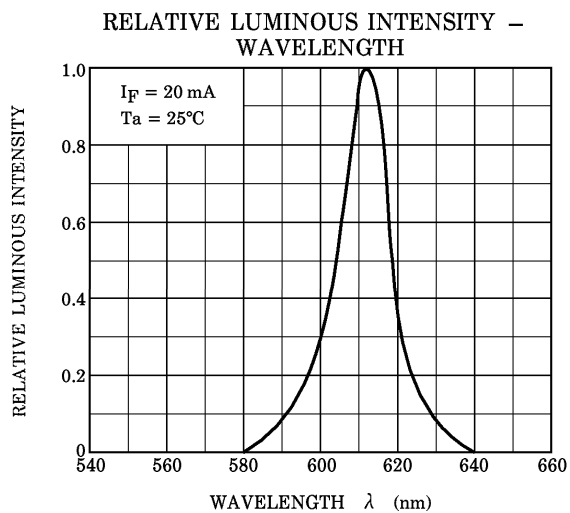
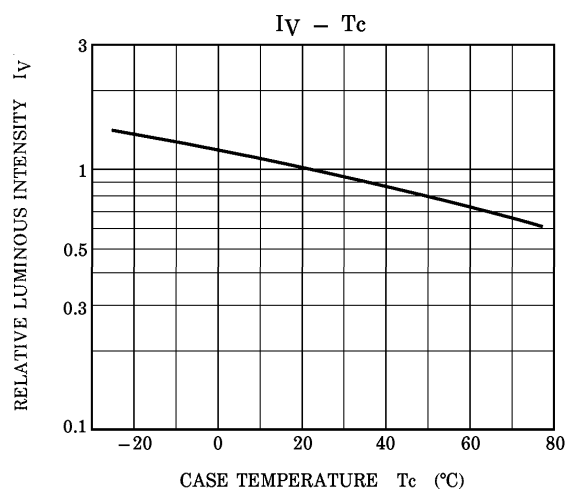
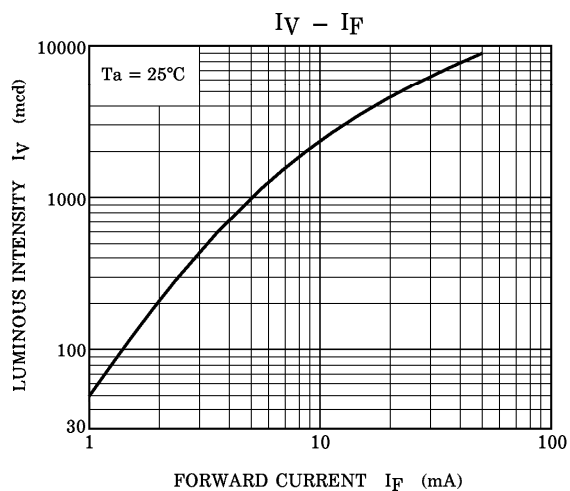
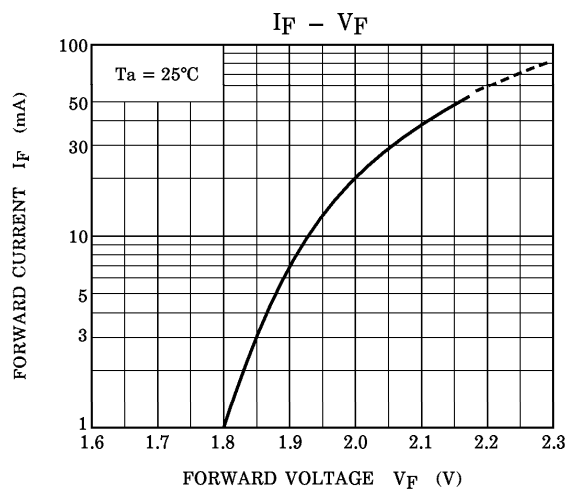
TLRME17T



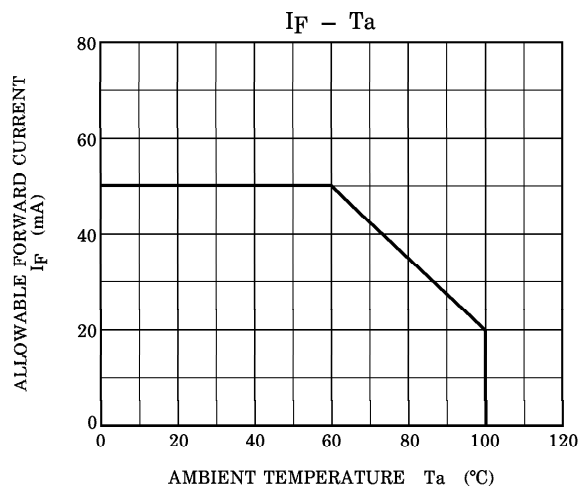
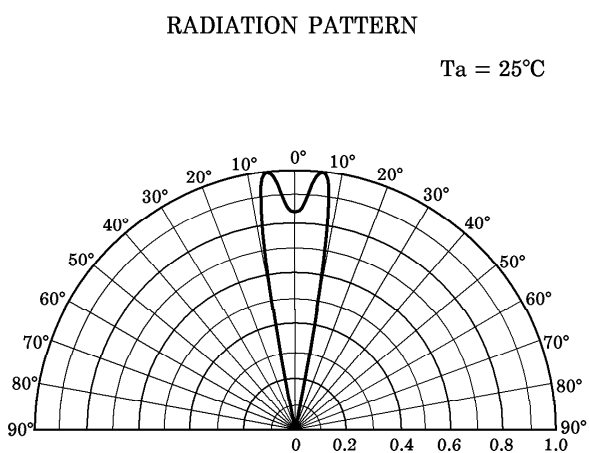
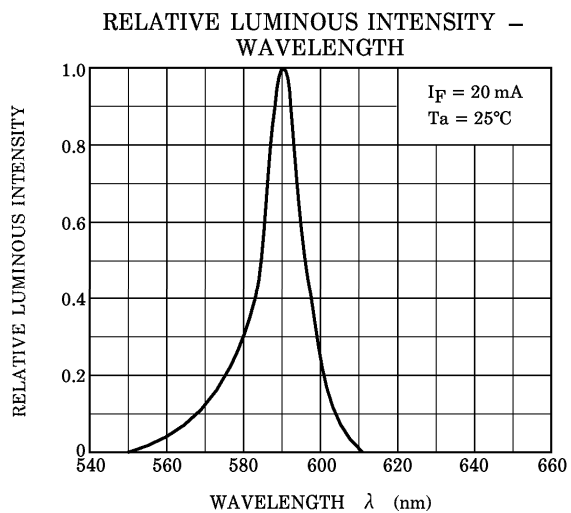
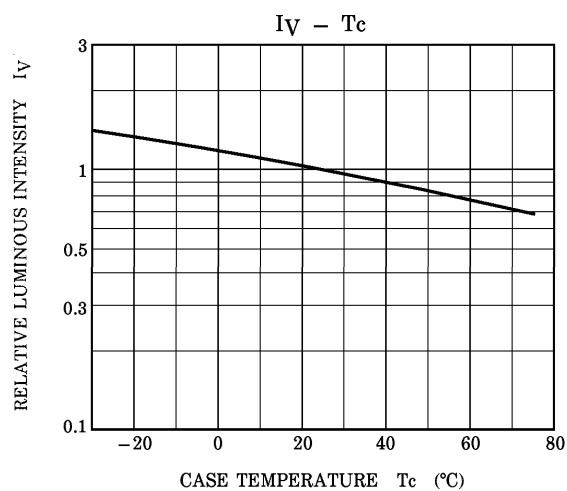
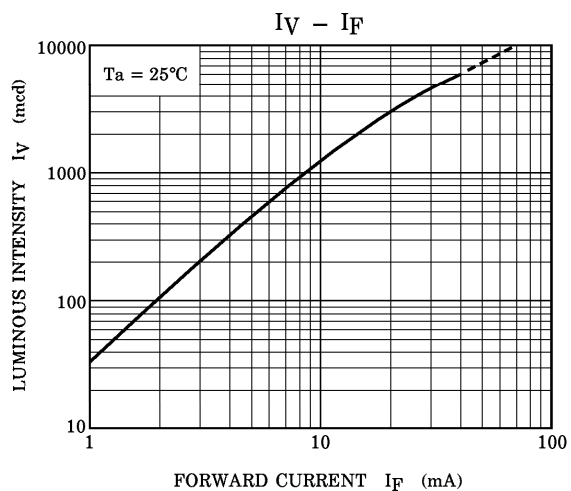
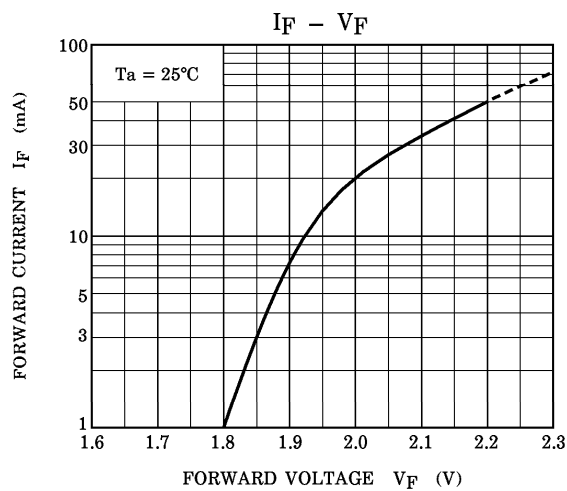
TLSE17T



TLOE17T



TLYE17T



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