

TOSHIBA

Toshiba TLxE1100 SMT LEDs

Features

3.2 (L) x 2.8 (W) x 1.9 (H) mm Size
 Flat-top Type
 InGaAIP Technology
 Low Drive Current, High Intensity Light Emission
 Standard embossed taping : T11 (2000 pcs/reel) 8 mm tape reel

Applications

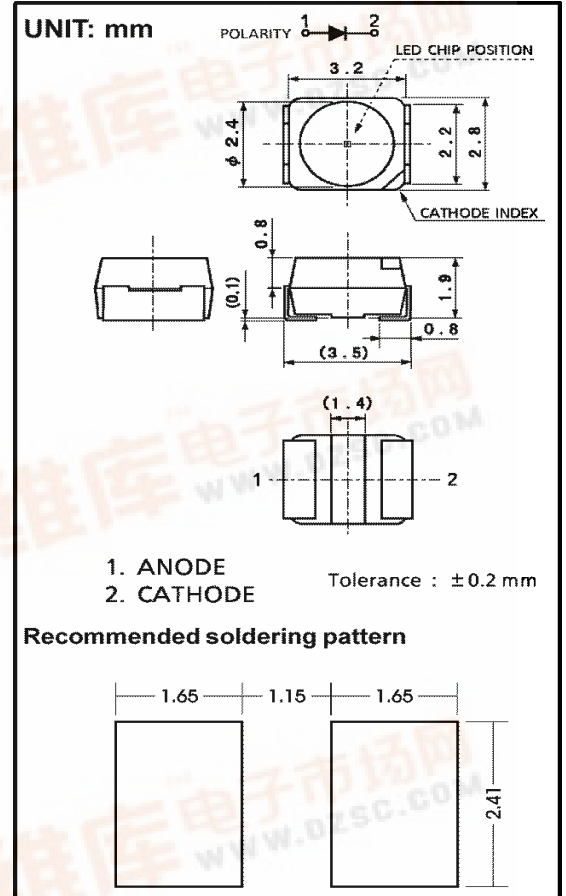
Automotive Use
 Message Signboard
 Backlight

Series Line-Up

Part Number	Color	Material
TLGE1100	Ultra Bright Yellow Green	InGaAIP
TLOE1100	Ultra Bright Orange	InGaAIP
TLPGE1100	Ultra Pure Green	InGaAIP
TLRE1100	Ultra Bright Red	InGaAIP
TLSE1100	Ultra Bright High Efficiency Red	InGaAIP
TLYE1100	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}
TLGE1100	50	4	120.00	-40 ~ 100	-40 ~ 100
TLOE1100	50	4	120.00	-40 ~ 100	-40 ~ 100
TLPGE1100	50	4	120.00	-40 ~ 100	-40 ~ 100
TLRE1100	50	4	120.00	-40 ~ 100	-40 ~ 100
TLSE1100	50	4	120.00	-40 ~ 100	-40 ~ 100
TLYE1100	50	4	120.00	-40 ~ 100	-40 ~ 100
Unit	mA	V	mW	°C	°C



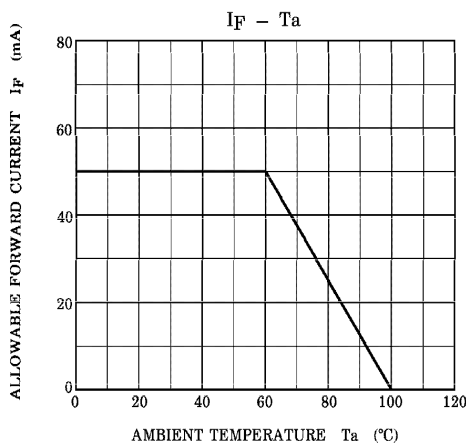
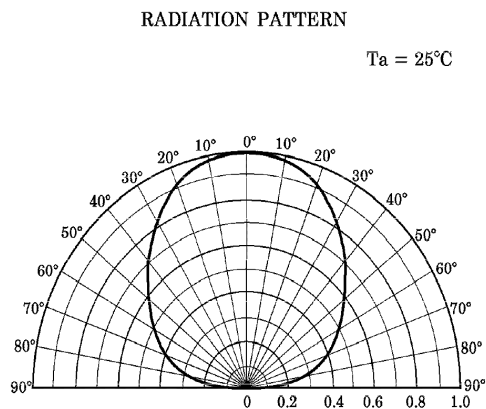
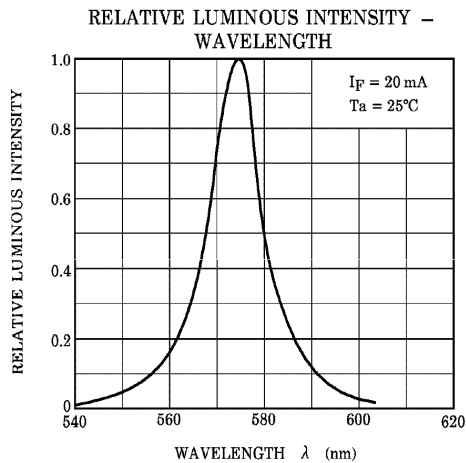
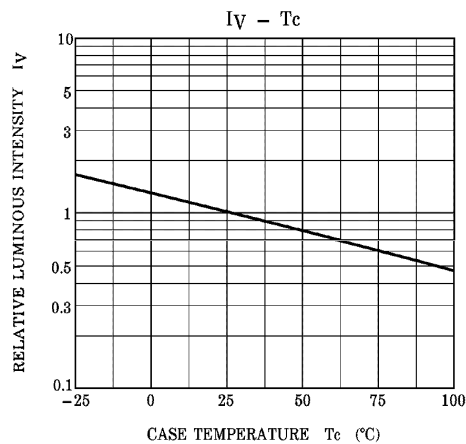
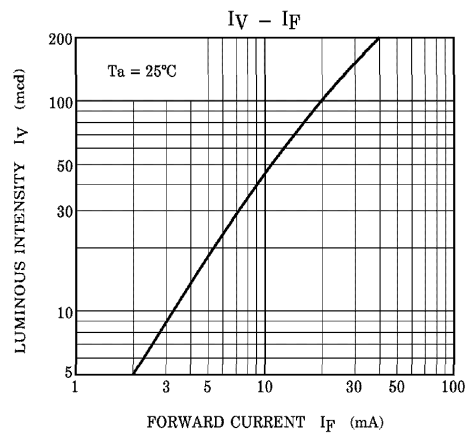
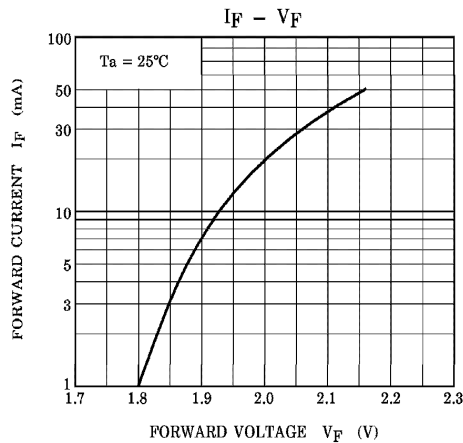
Electrical and Optical Characteristics (Ta=25°C)

Part Number	PWL nm λP	Material	View Angle 2θ _{1/2}	Luminous Intensity I _v				Forward Voltage V _F				Rev Current I _R	
				min.	typ.	max.	IF@	min.	typ.	max.	IF@	max.	VR@
TLGE1100	574	InGaAIP	120°	47.60	100.00	–	20mA	–	2.00	2.40	20mA	50	4V
TLOE1100	612	InGaAIP	120°	47.60	180.00	–	20mA	–	2.00	2.40	20mA	50	4V
TLPGE1100	562	InGaAIP	120°	8.50	25.00	–	20mA	–	2.10	2.40	20mA	50	4V
TLRE1100	644	InGaAIP	120°	47.60	100.00	–	20mA	–	1.90	2.40	20mA	50	4V
TLSE1100	623	InGaAIP	120°	47.60	180.00	–	20mA	–	1.90	2.40	20mA	50	4V
TLYE1100	590	InGaAIP	120°	47.60	150.00	–	20mA	–	2.00	2.40	20mA	50	4V
–	nm	–	deg	mcd				–	V		–	μ A	–

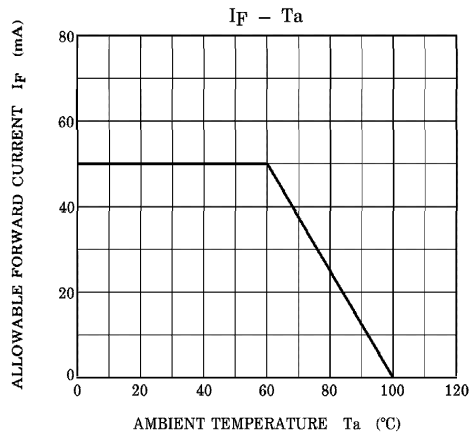
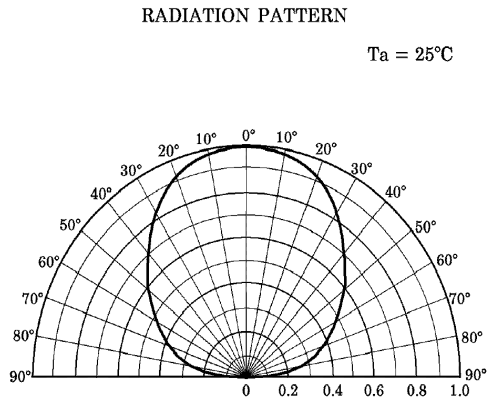
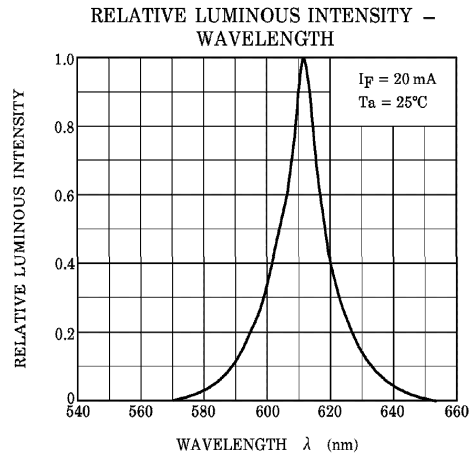
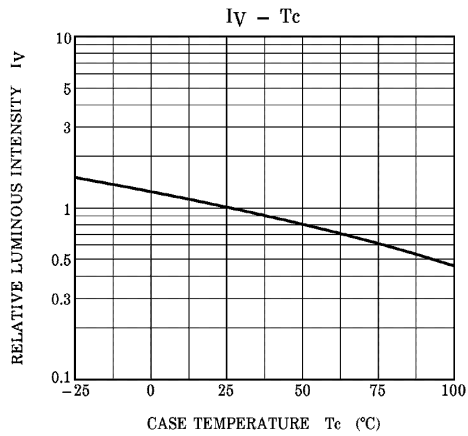
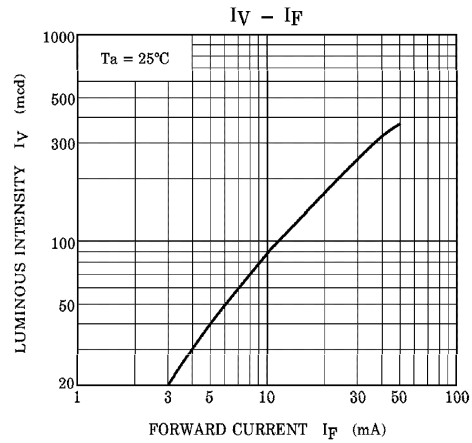
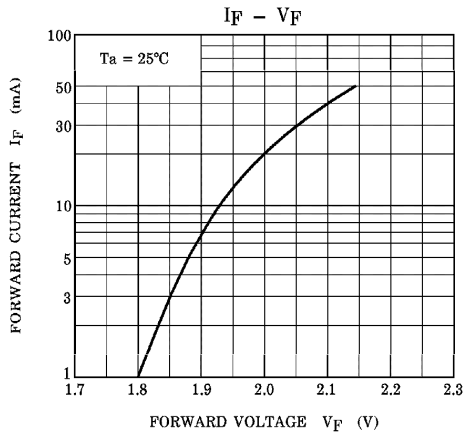
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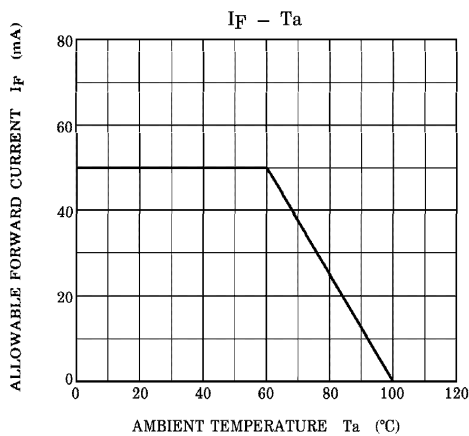
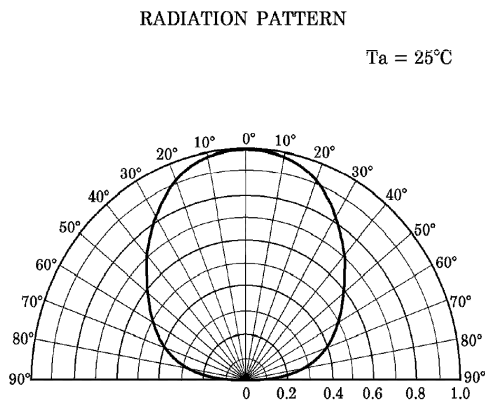
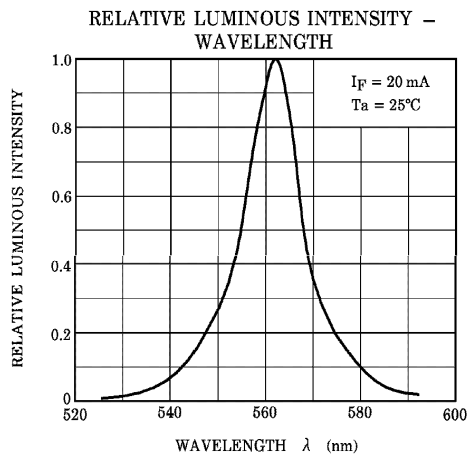
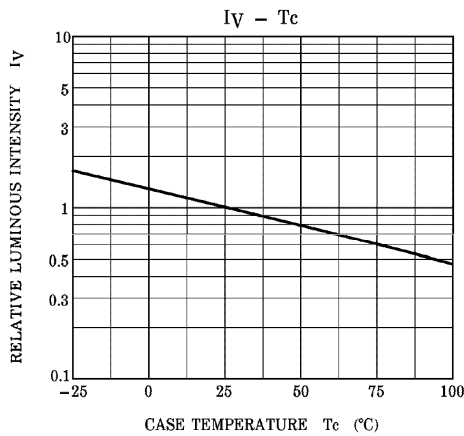
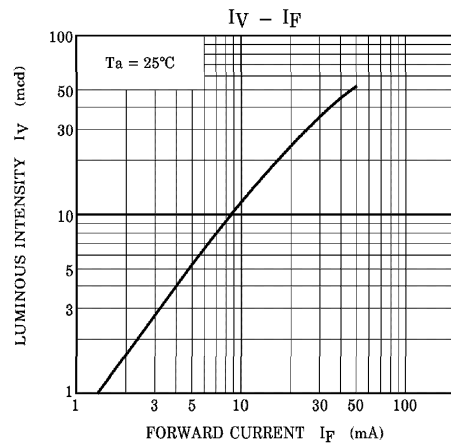
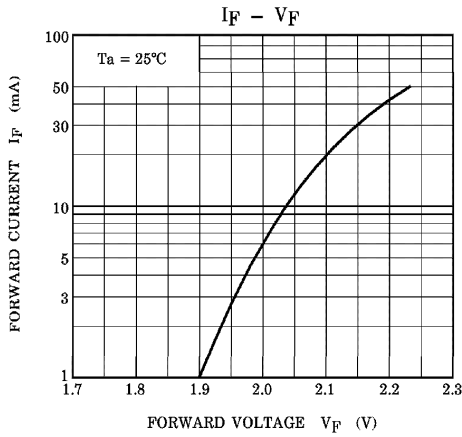
TLGE1100 Graphs



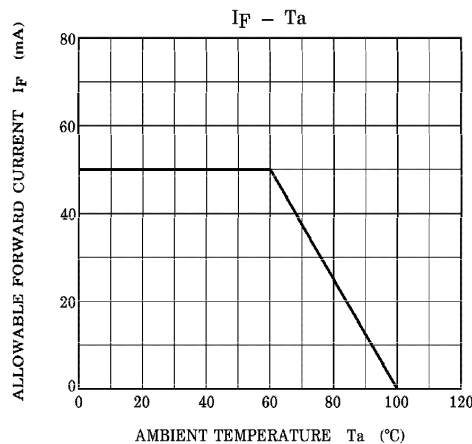
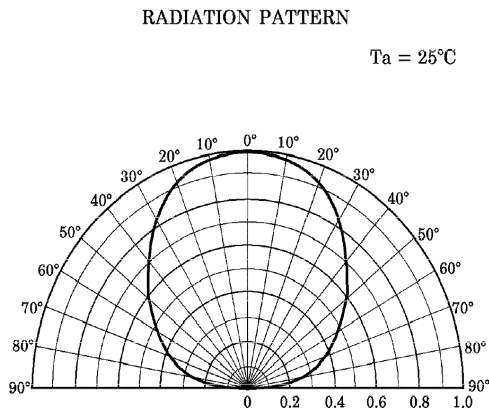
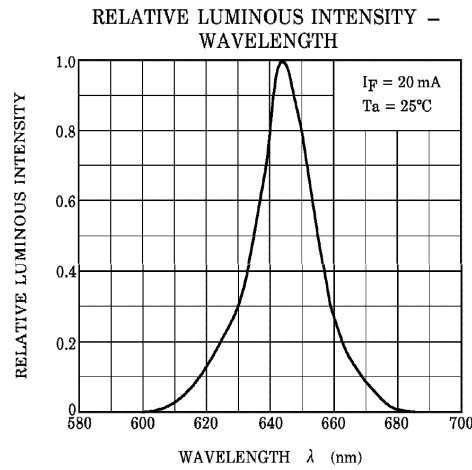
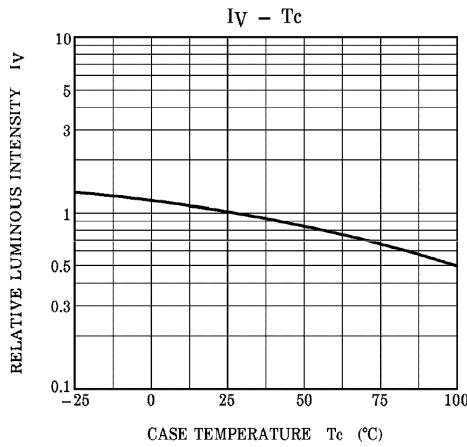
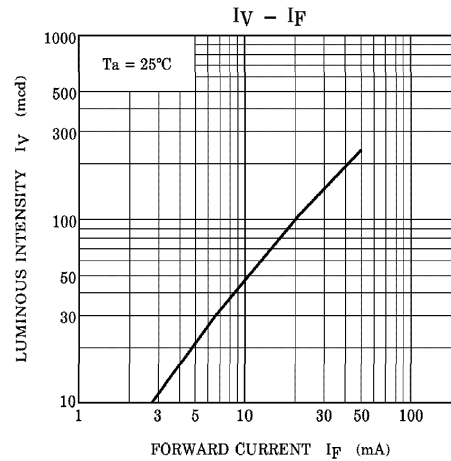
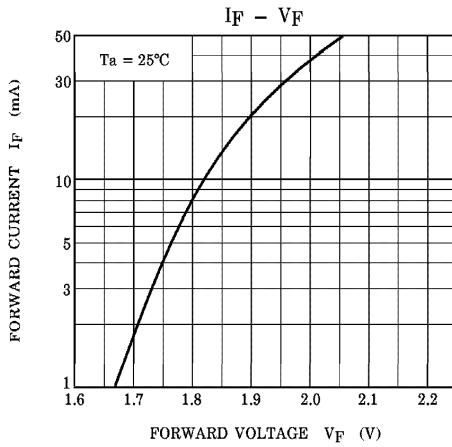
TLOE1100 Graphs



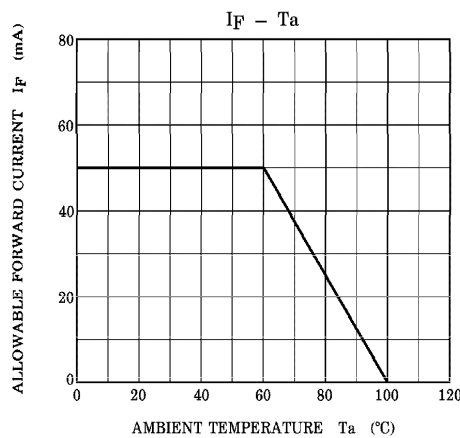
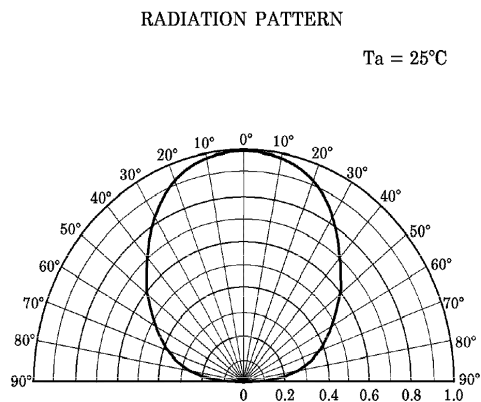
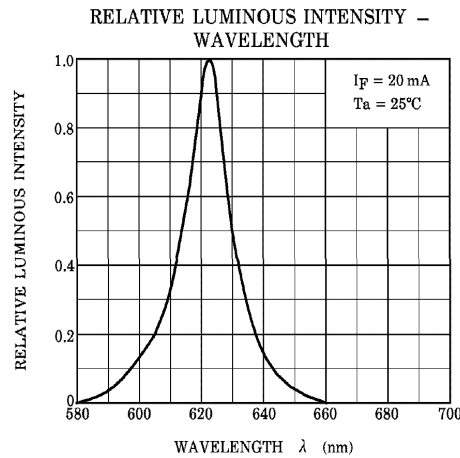
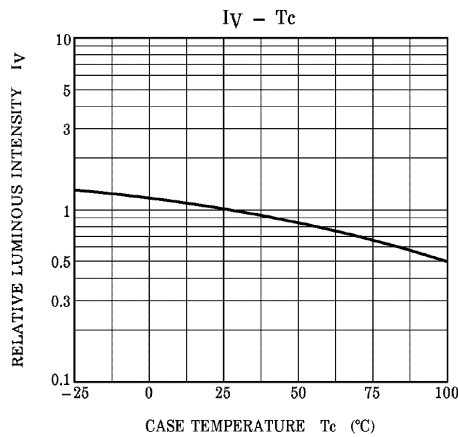
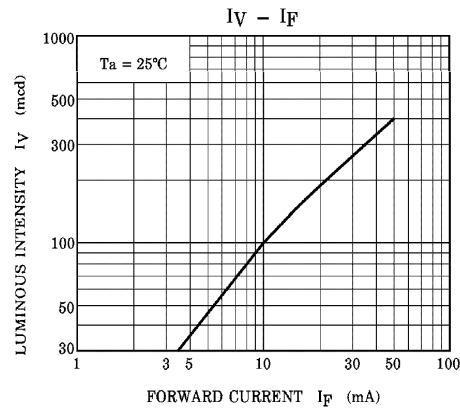
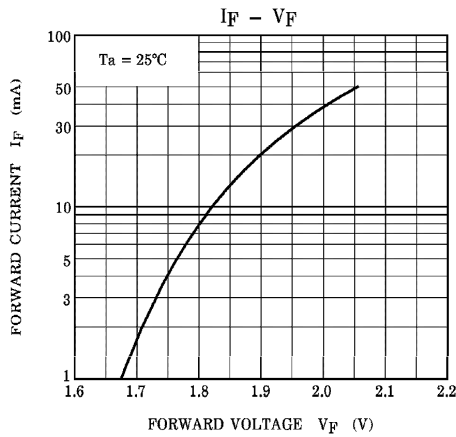
TLPGE1100 Graphs



TLRE1100 Graphs



TLSE1100 Graphs



TLYE1100 Graphs

