

Features

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

Applications

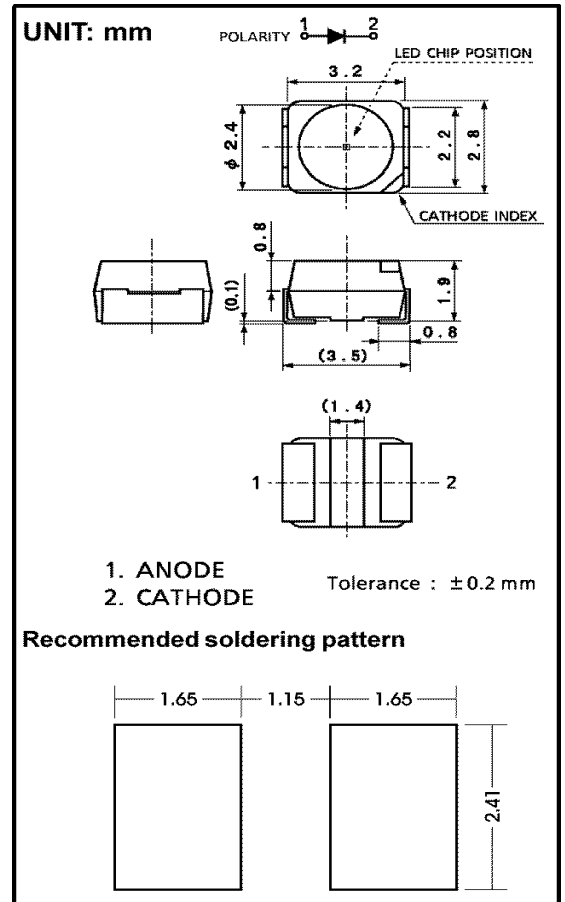
Automotive Use
 Message Signboard
 Backlight

Series Line-Up

Part Number	Color	Material
TLGE1100	Ultra Bright Yellow Green	InGaAlP
TLOE1100	Ultra Bright Orange	InGaAlP
TLPGE1100	Ultra Pure Green	InGaAlP
TLRE1100	Ultra Bright Red	InGaAlP
TLSE1100	Ultra Bright High Efficiency Red	InGaAlP
TLYE1100	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}
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 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@	
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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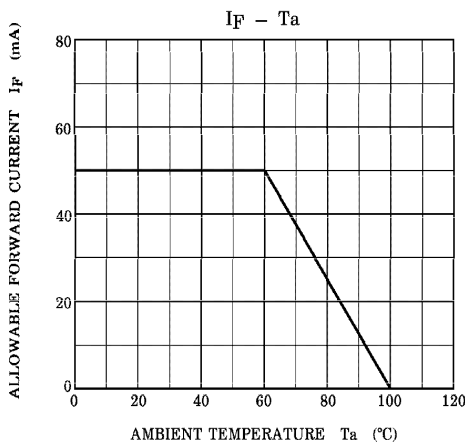
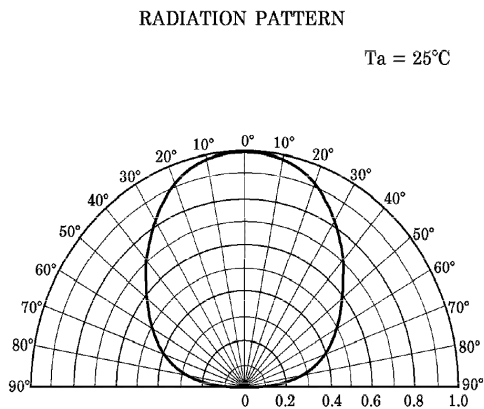
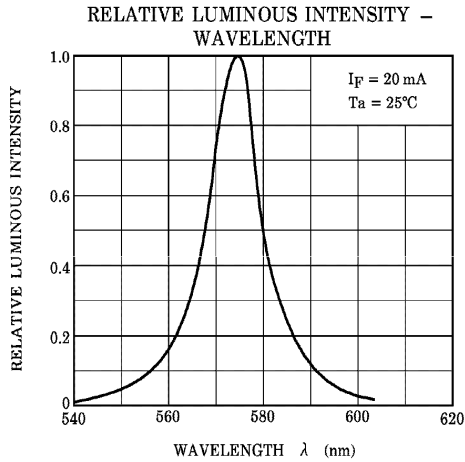
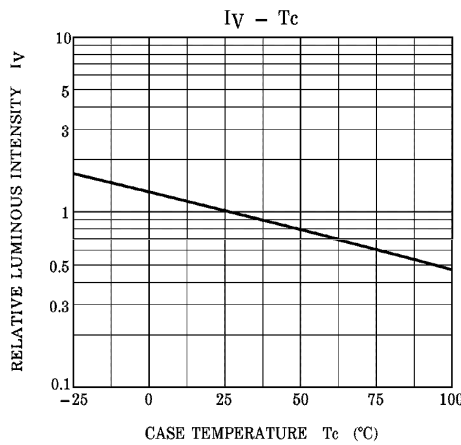
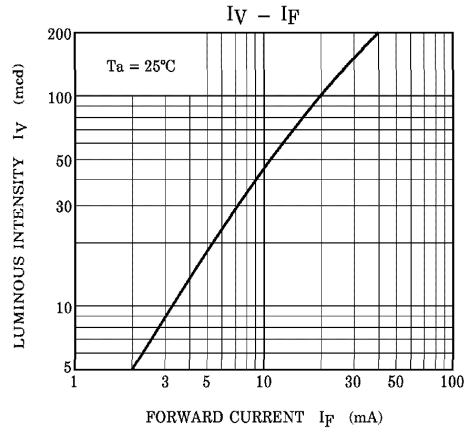
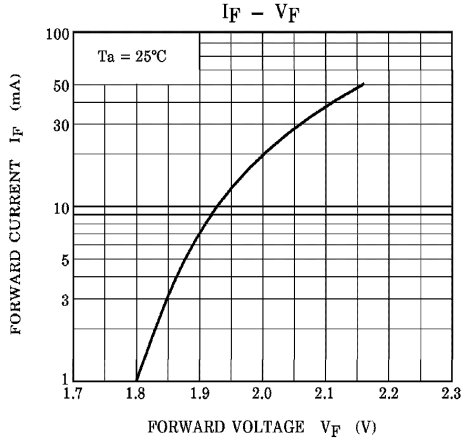
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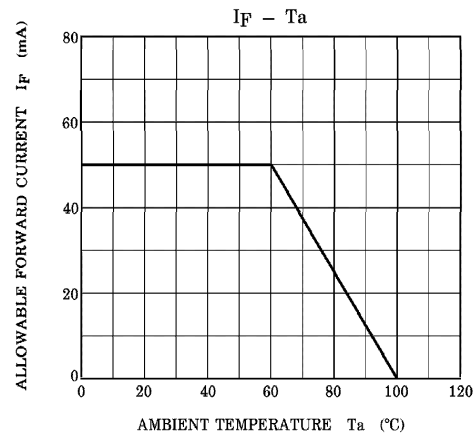
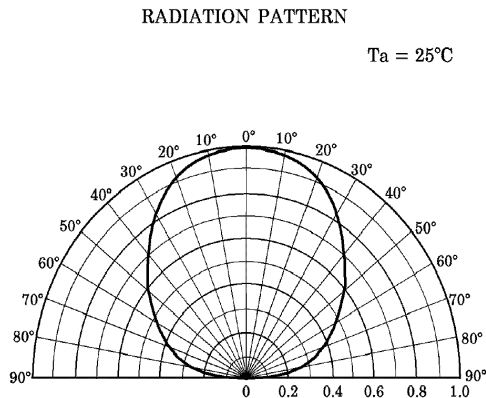
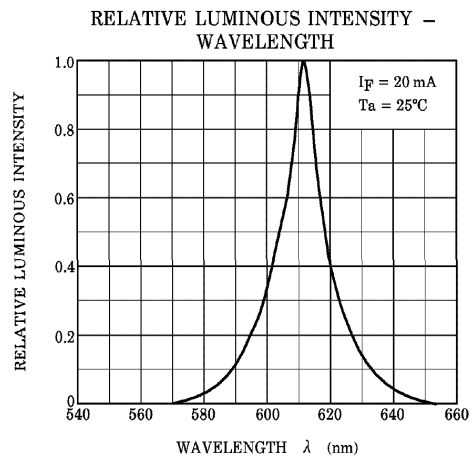
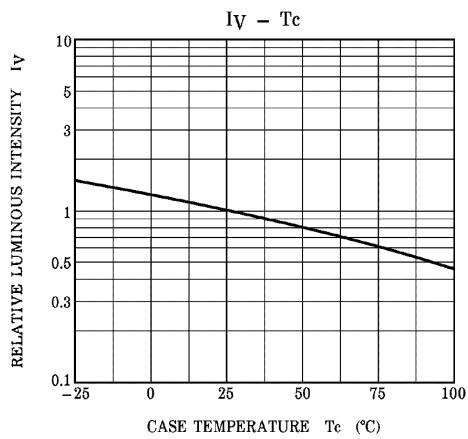
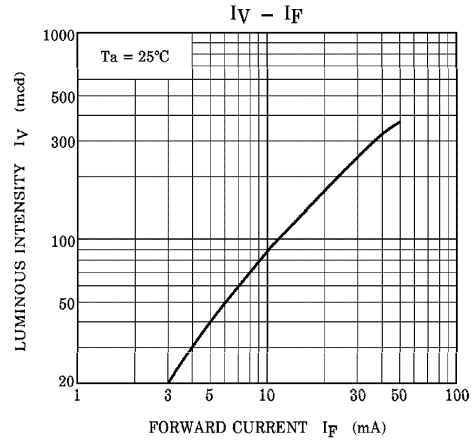
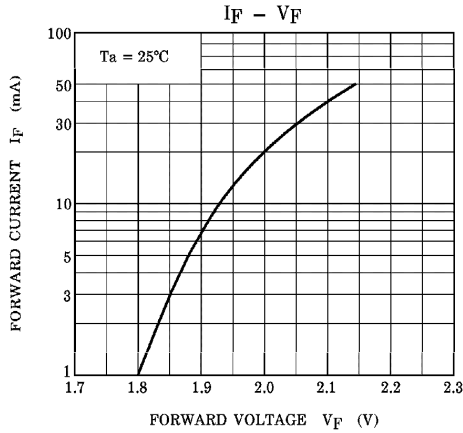
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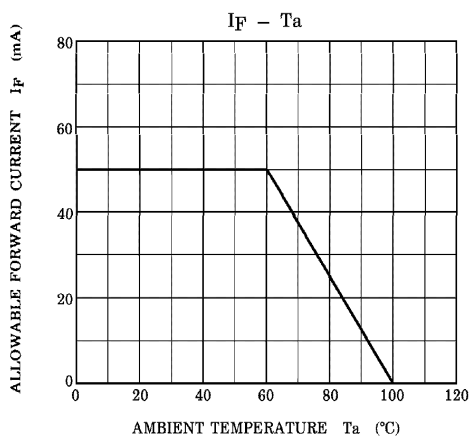
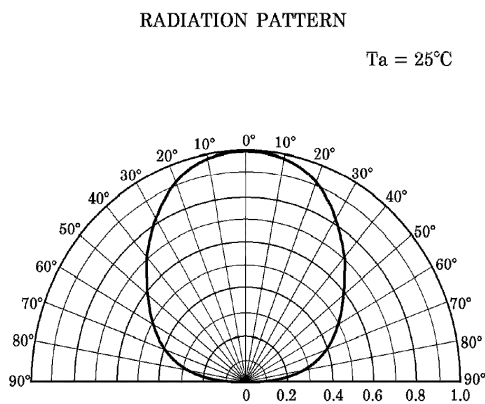
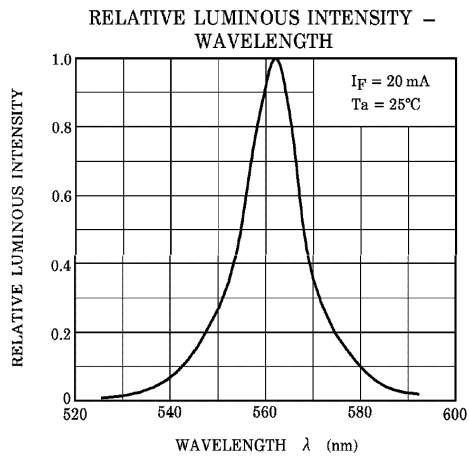
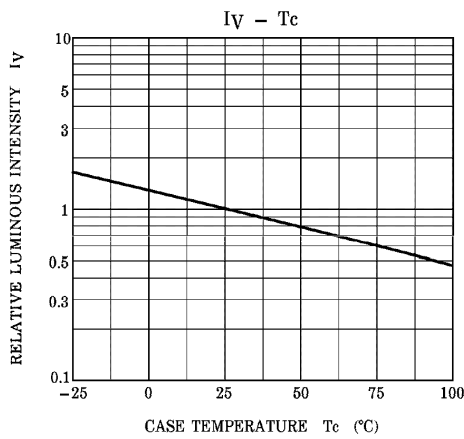
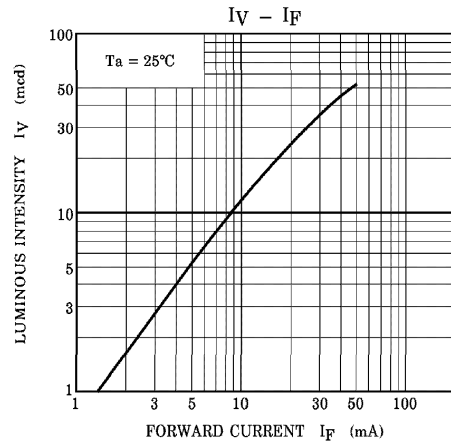
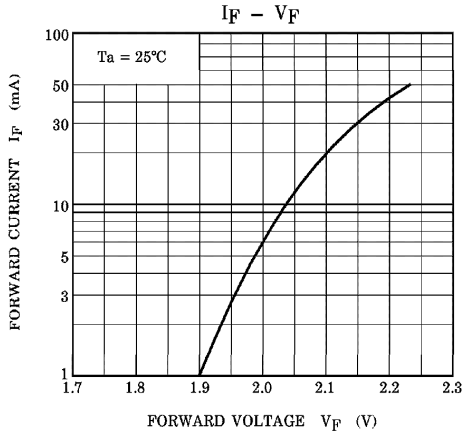
TLGE1100 Graphs



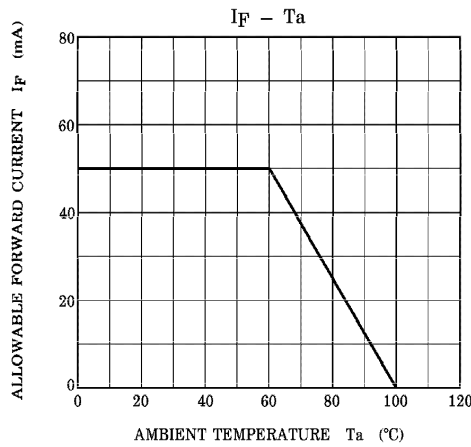
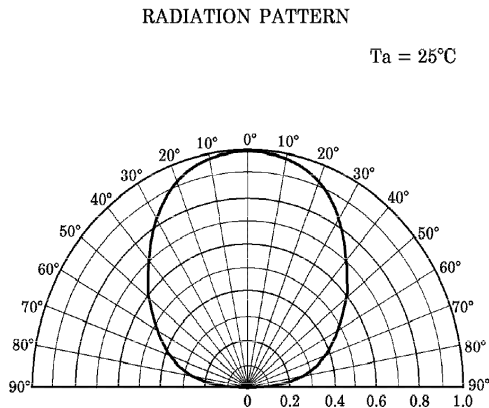
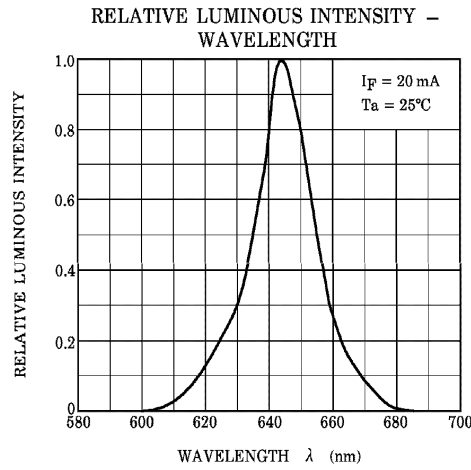
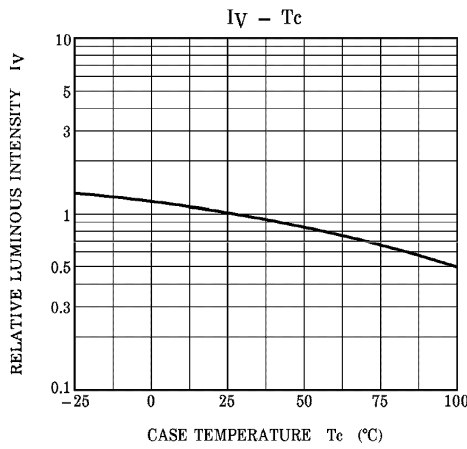
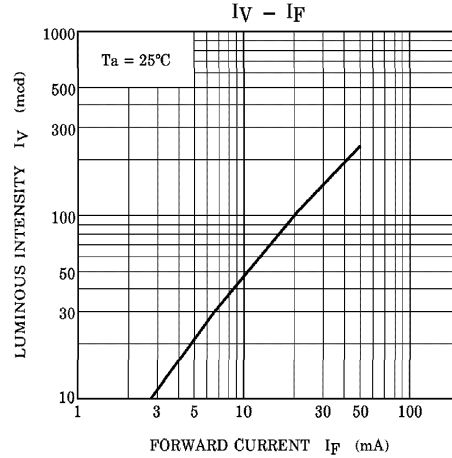
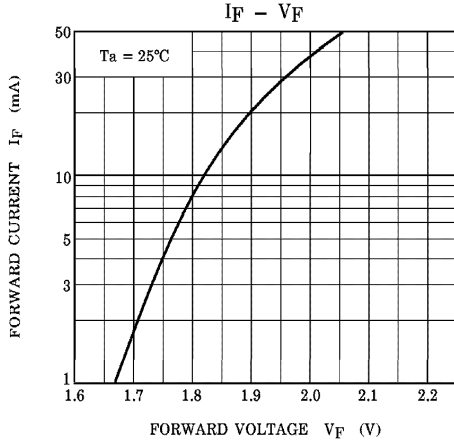
TLOE1100 Graphs



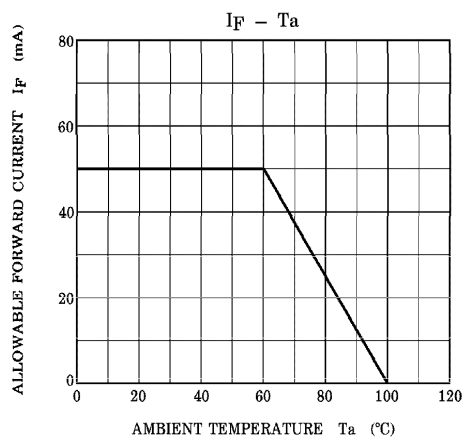
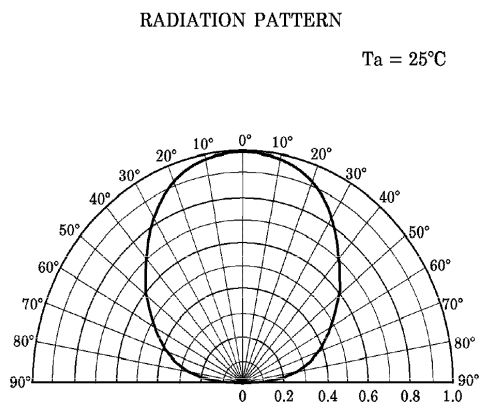
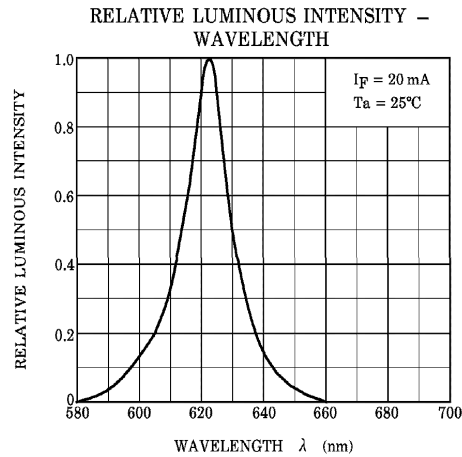
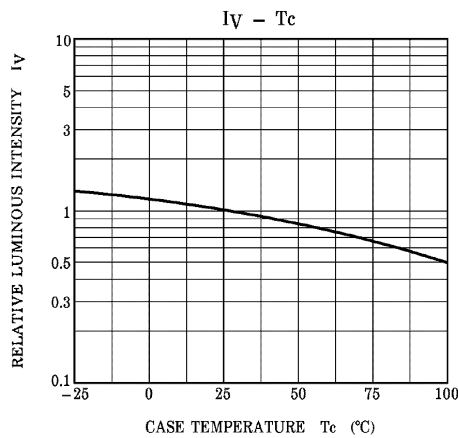
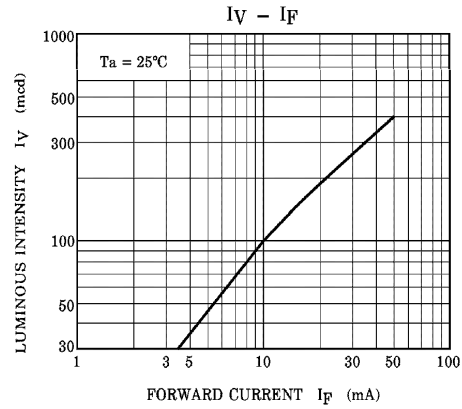
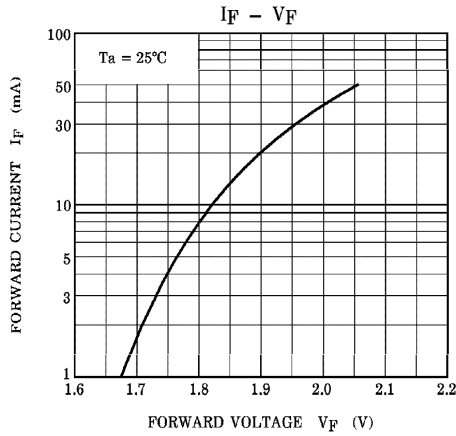
TLPGE1100 Graphs



TLRE1100 Graphs



TLSE1100 Graphs



TLYE1100 Graphs

