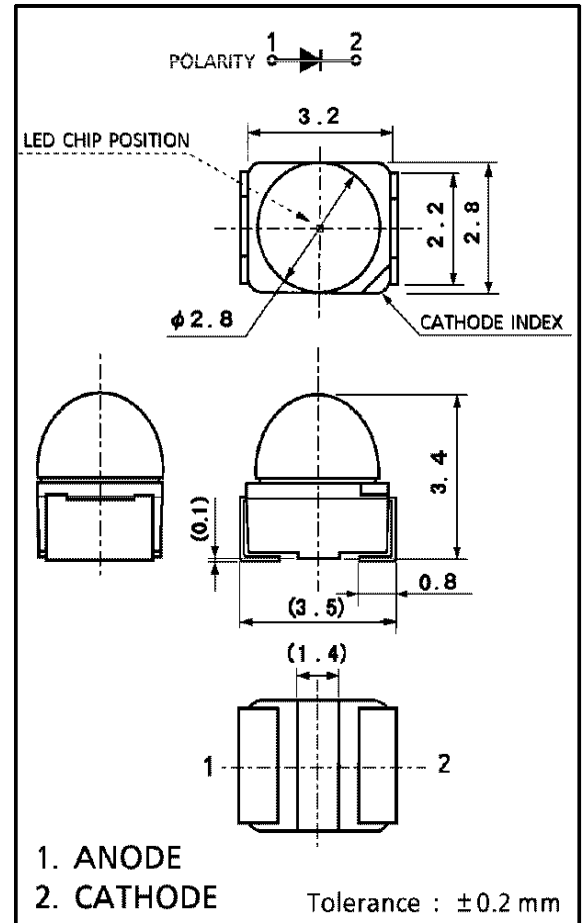


Features

3.2 (L) x 2.8 (W) x 3.4 (H) mm Size
 2.8 mm Diameter Lens-Top Type
 InGaAlP Technology (Ultra High Brightness)
 Low Drive Current
 High Intensity Light Emission
 Clear Luminescence is obtained
 High Operating Temperature
 Standard Embossed Taping 8 mm Pitch : T10 (500 pcs/reel)
 Reflow Soldering is possible

Applications

Automotive Use
 Message Signboard
 Backlight



Series Line-Up

Part Number	Color	Material
TLOH1102	Ultra Bright Orange	InGaAlP
TLRH1102	Ultra Bright Red	InGaAlP
TLSH1102	Ultra Bright High Efficiency Red	InGaAlP
TLYH1102	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}
TLOH1102	50	4	125.00	-40 ~ 100	-40 ~ 100
TLRH1102	50	4	125.00	-40 ~ 100	-40 ~ 100
TLSH1102	50	4	125.00	-40 ~ 100	-40 ~ 100
TLYH1102	50	4	125.00	-40 ~ 100	-40 ~ 100
Unit	mA	V	mW	°C	°C

Company Headquarters
 120 Broadway
 Menands, New York 12204
 Toll Free: 800.984.5337
 Fax: 518.432.7454



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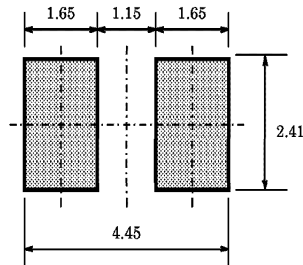
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 950 South Coast Drive, Suite 265
 Costa Mesa, California 92626
 Toll Free: 800.984.5337
 Fax: 714.850.9314

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@
TLOH1102	612	InGaAlP	56°	272.00	650.00	–	20mA	–	2.10	2.50	20mA	50	4V
TLRH1102	644	InGaAlP	56°	85.00	320.00	–	20mA	–	1.90	2.50	20mA	50	4V
TLSH1102	623	InGaAlP	56°	153.00	600.00	–	20mA	–	2.10	2.50	20mA	50	4V
TLYH1102	590	InGaAlP	56°	153.00	480.00	–	20mA	–	2.10	2.50	20mA	50	4V
–	nm	–	deg	mcd				V				μA	–

Recommended soldering pattern

(Unit in mm)



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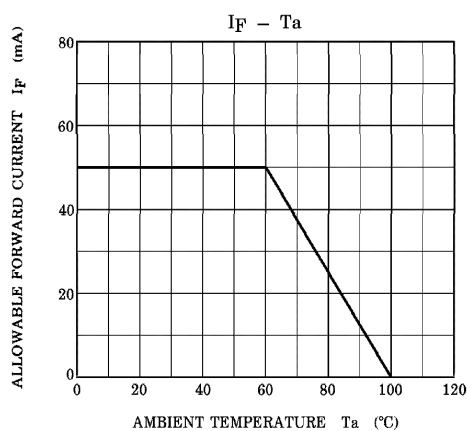
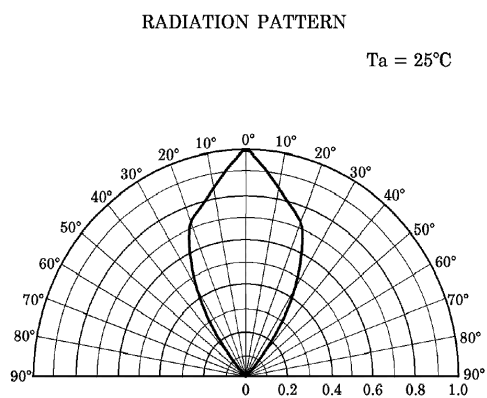
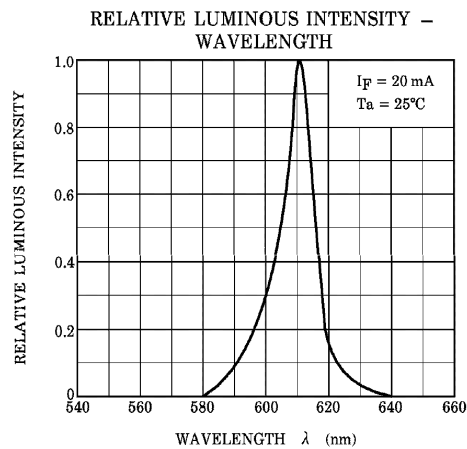
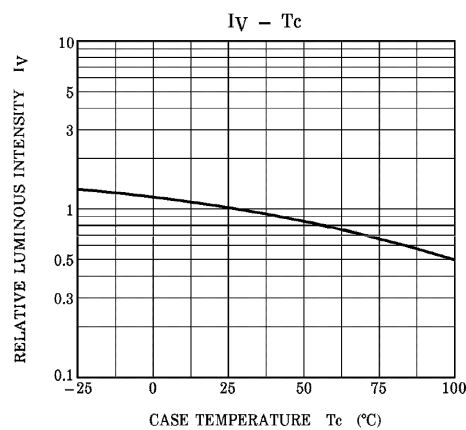
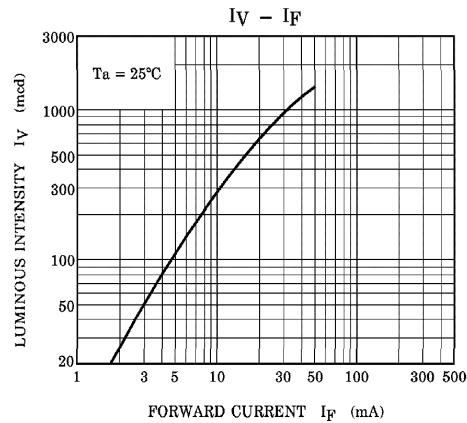
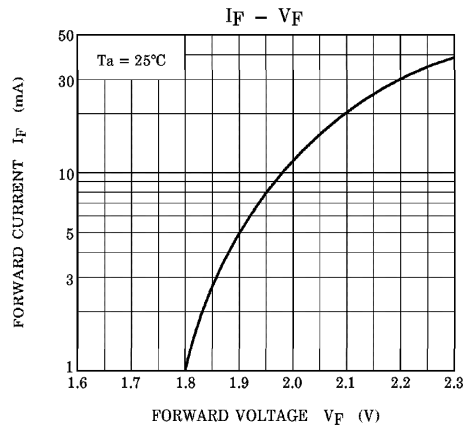
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Menands, New York 12204
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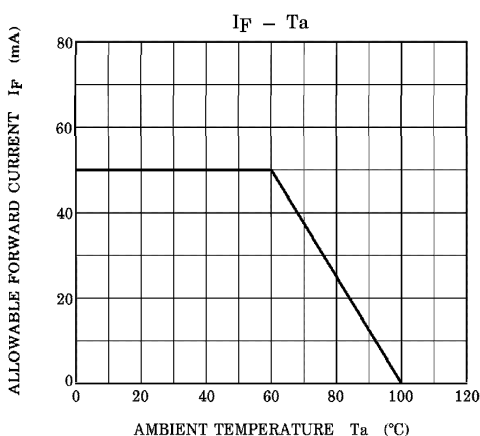
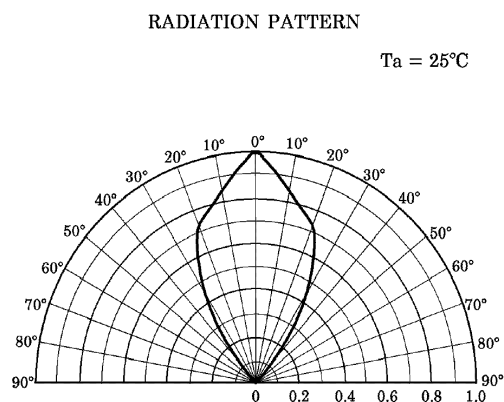
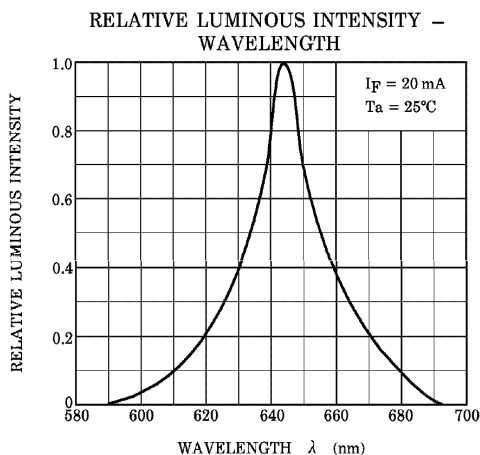
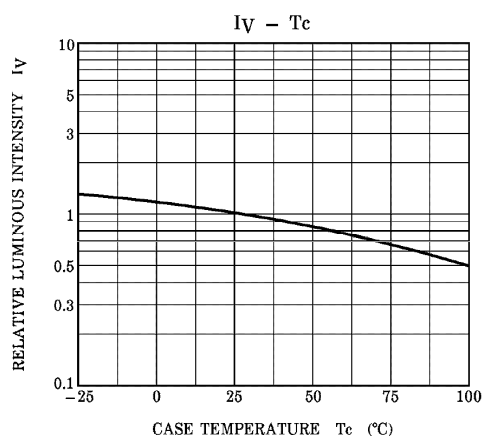
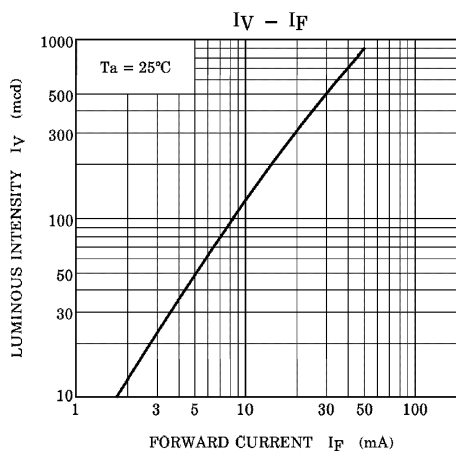
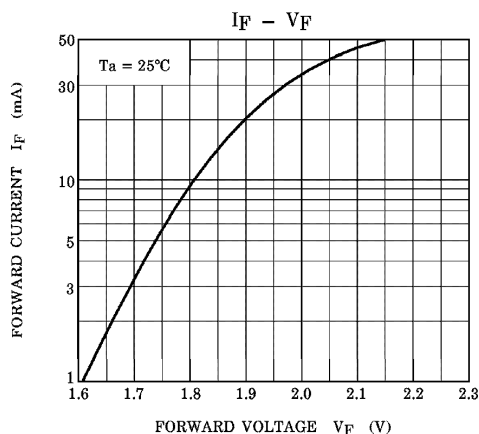
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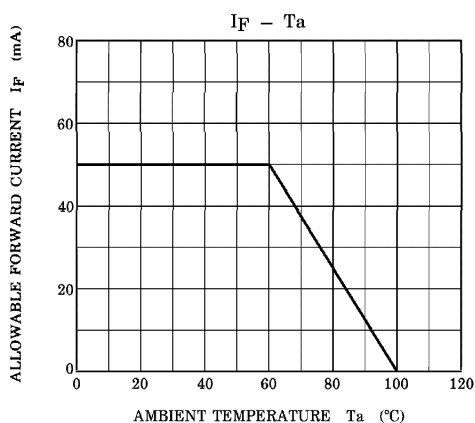
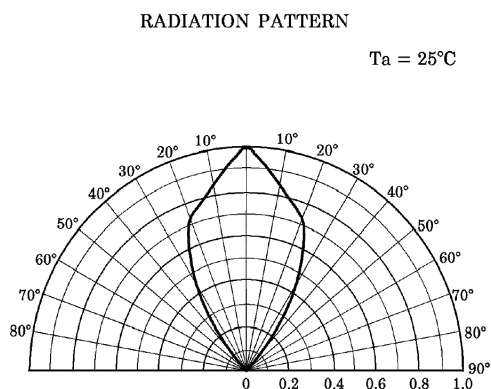
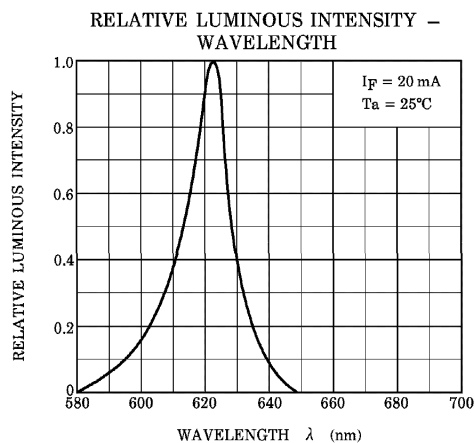
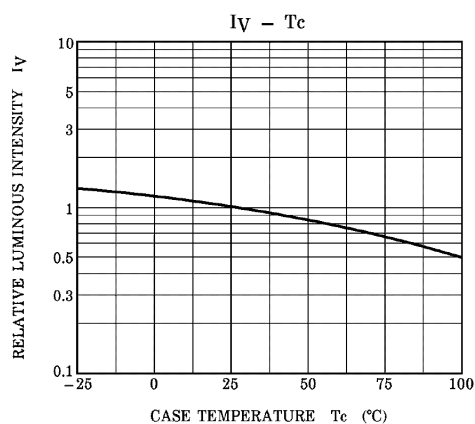
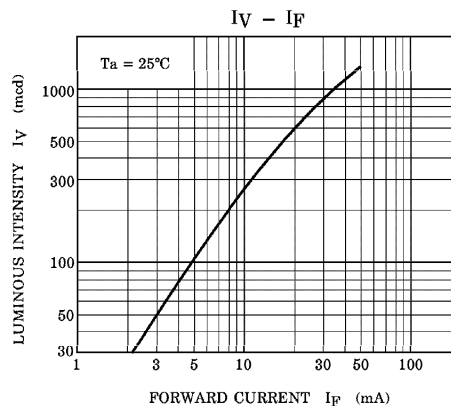
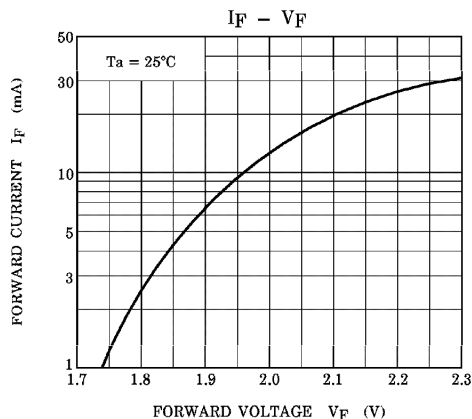
TLOH1102 Graphs



TLRH1102 Graphs



TLSH1102 Graphs



TLYH1102 Graphs

