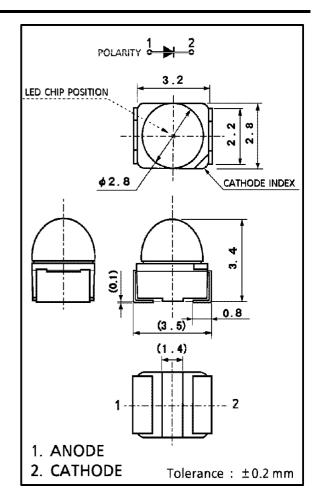
Features

3.2 (L) x 2.8 (W) x 3.4 (H) mm Size 2.8 mm Diameter Lens–Top Type InGaAIP Technology (Ultra High Brightness) Low Drive Current High Intensity Light Emission Clear Luminescence is obtained High Operating Temperture 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	InGaAIP		
TLRH1102	Ultra Bright Red	InGaAIP		
TLSH1102	Ultra Bright High Efficency Red	InGaAIP		
TLYH1102	Ultra Bright Yellow	InGaAIP		

Maximum Ratings (Ta=25°C)

Part Number	Forward Current	Reverse Voltage VR	Power Dissipation PD	Operating Temperature Topr	Storage Temperature Tstg		
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		

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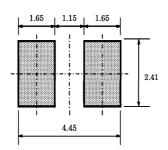
Toshiba TLxH1102 SMT LEDs

Toshiba TLxH1102 SMT LEDs

Part Number	PWL nm λP	Material	View Angle	Luminous Intensity Iv			Forward Voltage VF				Rev Current		
			2 θ1/2	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		-		۷		-	μ Α	-

Electrical and Optical Characteristics (Ta=25°C)

Recommended soldering pattern



(Unit in mm)

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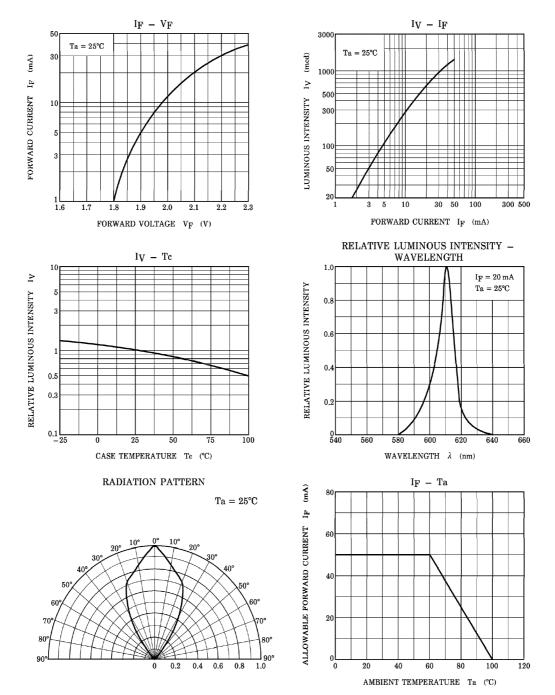
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TLOH1102 Graphs



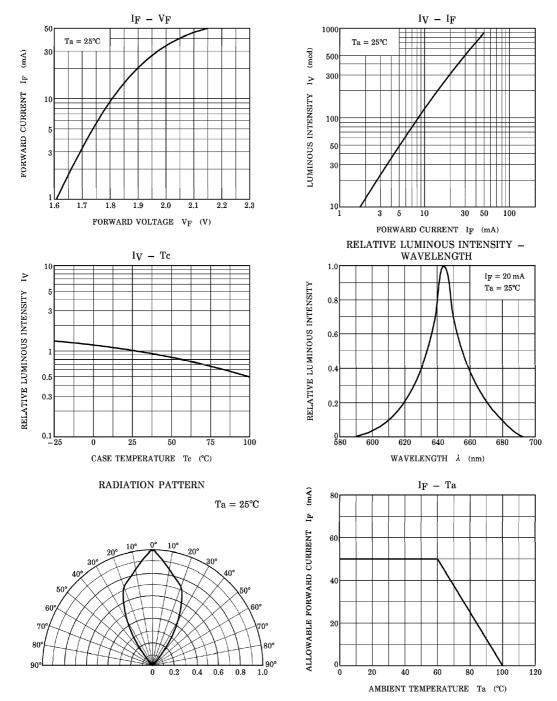
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Toshiba TLxH1102 SMT LEDs

TLRH1102 Graphs



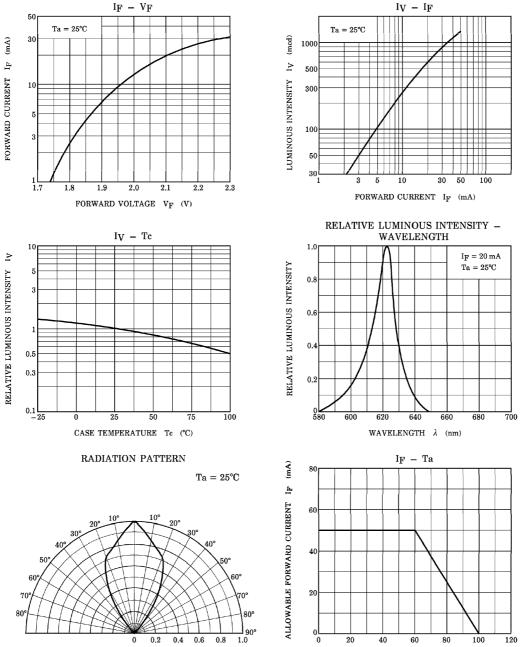
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Toshiba TLxH1102 SMT LEDs

TLSH1102 Graphs



AMBIENT TEMPERATURE Ta (°C)

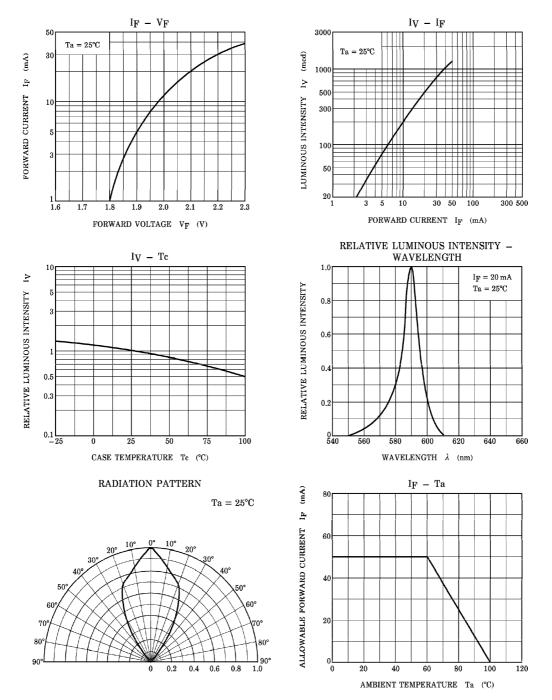
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Toshiba TLxH1102 SMT LEDs

TLYH1102 Graphs



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