TOSHIBA

Toshiba TLxH17 Series LEDs

Features

5mm Package InGaAIP Technology All Plastic Mold Type Transparent Lens High Intensity Light Emission Excellent Low Current Light Output

Applications

Backlight Safety Equipment Traffic Signals

Series Line-Up

Part Number	Color	Material		
TLOH17TP	Ultra Bright Orange	InGaAIP		
TLRMH17TP	Ultra Red	InGaAIP		
TLSH17TP	Ultra Bright High Efficency Red	InGaAIP		
TLYH17TP	Ultra Bright Yellow	InGaAIP		

Maximum Ratings (Ta=25°C)

Part Number	Forward Current IF	Reverse Voltage VR	Power Dissipation PD	Operating Temperature Topr	Storage Temperature Tstg		
TLOH17TP	50	4.00	120.00	-40 ~ 100	− 40 ~ 120		
TLRMH17TP	50	4.00	120.00	-40 ~ 100	− 40 ~ 120		
TLSH17TP	50	4.00	120.00	− 40 ~ 100	− 40 ~ 120		
TLYH17TP	50	4.00	120.00	−40 ~ 100	− 40 ~ 120		
Unit	mA	V., 11-	mW	°C	°C		





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Electrical and Optical Characteristics (Ta=25°C)

Part Number	PWL nm λP	Material	View Angle	Luminous Intensity I _v			Forward Voltage V _F				Rev Current IR		
			2θ1/2	min.	typ.	max.	IF@	min.	typ.	max.	IF@	max.	VR@
TLOH17TP	612	InGaAIP	20°	1530.00	5000.00	-	20mA	-	2.00	2.40	20mA	50	4V
TLRMH17TP	636	InGaAIP	20°	850.00	3200.00	-	20mA	-	1.90	2.40	20mA	50	4V
TLSH17TP	623	InGaAIP	20°	1530.00	4500.00	-	20mA	-	2.00	2.40	20mA	50	4V
TLYH17TP	590	InGaAIP	20°	1530.00	4800.00	-	20mA	-	2.00	2.40	20mA	50	4V
-	nm	-	deg		mcd		-		٧		-	μ Α	-

Precautions

- Soldering temperature: 260°C max, soldering time: 3 s max (soldering portion of lead: up to 2 mm from the body of the device).
- 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.

NOTICE:

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