

# **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 InGaAIP Ultra Bright Orange InGaAlP TLRMH17TP Ultra Red TLSH17TP Ultra Bright High Efficency Red InGaAIP TLYH17TP Ultra Bright Yellow InGaAIP

25.0 85.0	Ø 5.8
2.5MAX (1) 8.3 ± 0.2	11.8 +0.4
2 1 1	(2) 17.5 ± 1
	NODE ATHODE

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	<b>−40 ~ 100</b>	<b>−40 ~ 120</b>
TLSH17TP	50	4.00	120.00	<b>−40 ~ 100</b>	<b>−40 ~ 120</b>
TLYH17TP	50	4.00	120.00	<b>−40 ~ 100</b>	<b>−40 ~ 120</b>
Unit	mA	V	mW	°C	°C

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Electrical and Optical Characteristics (Ta=25°C)

Part Number	<b>PWL nm</b> λP	Material	View Angle	Luminous Intensity			Forward Voltage V <sub>F</sub>				Rev Current IR		
			201/2	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 <b>A</b>	-

#### 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
- 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.

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