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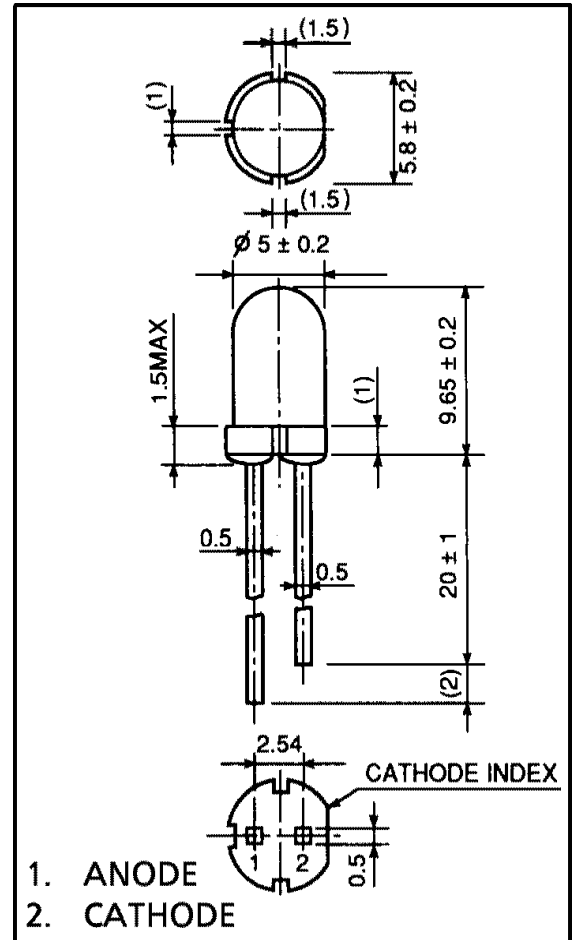
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Features

- 5mm Package
- InGaAIP Technology
- All Plastic Mold Type
- Water Clear Lens
- Fast Response Time, Capable of Pulse Operation
- High Power Luminous Intensity

Applications

- Outdoor Message Signboard
- Safety equipment



Series Line-Up

Part Number	Color	Material
TLOH180P	Ultra Bright Orange	InGaAIP
TLRH180P	Ultra Bright Red	InGaAIP
TLSH180P	Ultra Bright High Efficiency Red	InGaAIP
TLYH180P	Ultra Bright Yellow	InGaAIP

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}
TLOH180P	50	4	125.00	-30 ~ 85	-40 ~ 120
TLRH180P	50	4	125.00	-30 ~ 85	-40 ~ 120
TLSH180P	50	4	125.00	-30 ~ 85	-40 ~ 120
TLYH180P	50	4	125.00	-30 ~ 85	-40 ~ 120
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@
TLOH180P	612	InGaAIP	8°	2720.00	10000.00	-	20mA	-	2.10	2.50	20mA	50	4V
TLRH180P	644	InGaAIP	8°	1530.00	5000.00	-	20mA	-	1.90	2.50	20mA	50	4V
TLSH180P	623	InGaAIP	8°	2720.00	10000.00	-	20mA	-	2.10	2.50	20mA	50	4V
TLYH180P	590	InGaAIP	8°	2720.00	8000.00	-	20mA	-	2.10	2.50	20mA	50	4V
-	nm	-	deg	mcd				-	V		-	mA	-

