

AND190HOP

InGaAIP High Brightness Orange Light **Emission**

T-3 Package (10 mm)

Features

- · New emission material (InGaAIP) orange LED
- Peak wavelength (λp = 620 nm) high bright emission
- · All plastic mold type, clear colorless lens
- Low drive current, (forward current = 1 to 20 mA)
- · Excellent On-Off contrast ratio
- Fast response time, capable of pulse operation
- · High power luminous intensity
- · Suitable for Outdoor Message Signboards, Automotive use.
- RoHS Compliant

Maximum Ratings ($T_a = 25$ °C)

Characteristics	Symbol	Rating	Unit
Forward Current	I _F	50	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P_{D}	125	mW
Operating Temperature Range	T _{Opr}	-40 to 85	°C

Maximum Ratings $(T_a = 25^{\circ}C)$

Characteristics	Symbol	Rating	Unit
Storage Temperature Range	T _{Stg}	-40 to 100	°C

Electro-Optical Characteristics ($T_a = 25$ °C)

Characteristics	Symbol	Test Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F = 20 mA	_	2.0	2.4	V
Reverse Current	I _R	V _R = 5 V	_	-	10	μA
Luminous Intensity	I _V	I _F = 20 mA	4,000	6,000	_	mcd
Peak Emission Wavelength	λ _P	I _F = 20 mA	_	620	_	nm
Spectral Line Half Width	Δλ	I _F = 20 mA	_	18	_	nm
Dominant Wavelength	λd	I _F = 20 mA	-	615	_	nm
Full Viewing Angle	θ	I _V = 1/2 Peak	_	6	_	degree

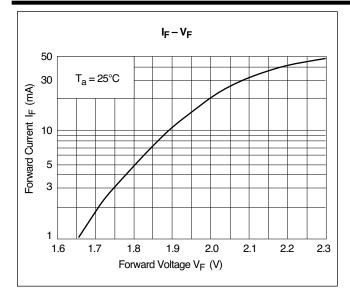
Precaution

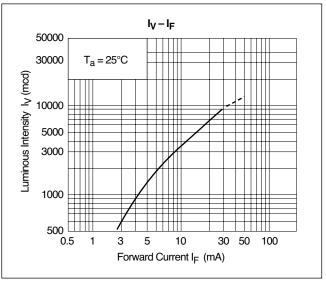
Please be careful of the following:

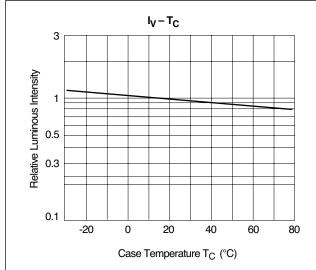
1. Soldering temperature: 260°C max
Soldering time: 5 sec. max
Soldering time: 5 sec. max
It is perefore advisable to contact Purdy Electronics before proceeding with the design of equipment incorporating this product.

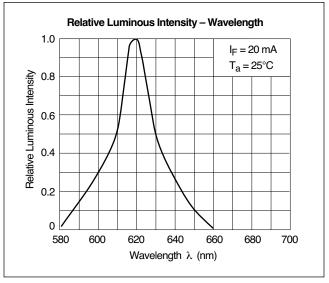


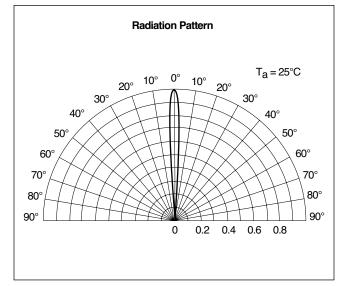


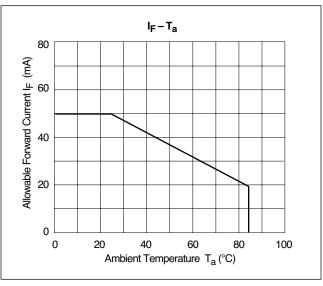












2. The lead can be formed படி formed to the lead can be formed by participation of the device without forming at 1988.94085

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Ultra Bright LED Lamps: Type 3

Soldering should be performed after the lead forming.





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Ultra Bright LED Lamps: Type 3