

AND7YA

InGaAlP Ultra Bright Yellow Light Low Profile Surface Mount Package

Features

- 0.40 mm height
- Compatible with automatic placement equipment.
- Compatible w/ infrared & vapor phase reflow solder process.
- **RoHS Compliant**

Applications

- Backlighting in auto dashboard & switch.
- Flat backlight for LCD, switch & symbol.
- General use for miniature applications.

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

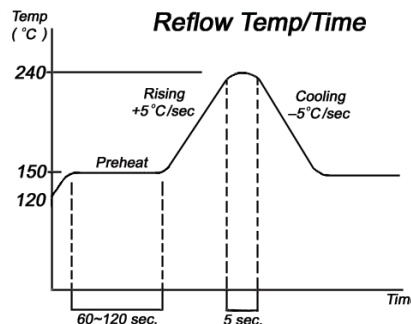
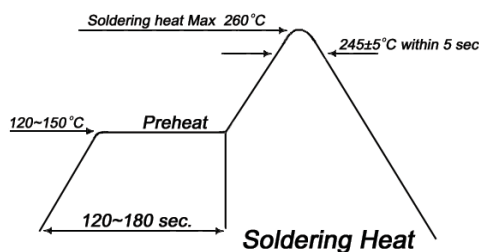
Characteristics	Symbol	Rating	Unit
Forward Current	I_F	25	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	60	mW
Operating Temp. Range	T_{Opr}	-40~ +85	$^\circ\text{C}$
Storage Temp. Range	T_{Stg}	-40~ +90	$^\circ\text{C}$
Soldering Temp. (for 5 seconds)	T_{Sol}	260	$^\circ\text{C}$
Electrostatic Discharge	ESD	2000	V
Peak Forward Current (Duty 1/10 @ 1KHz)	I_F	60	mA

Electro-Optical Characteristics ($T_a = 25^\circ\text{C}$)

Characteristics	Symbol	Test Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V_F	$I_F = 5 \text{ mA}$	-	1.6	-	V
Forward Voltage	V_F	$I_F = 20 \text{ mA}$	-	2.0	2.4	V
Reverse Current	I_R	$V_R = 5 \text{ V}$	-	-	10	μA
Luminous Intensity	I_V	$I_F = 5 \text{ mA}$	-	45	-	mcd
Luminous Intensity	I_V	$I_F = 20 \text{ mA}$	90	135	-	mcd
Peak Wavelength	λ_P	$I_F = 20 \text{ mA}$	-	591	-	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F = 20 \text{ mA}$	-	15	-	nm
Dominant Wavelength	λ_d	$I_F = 20 \text{ mA}$	-	589	-	nm
Full Viewing Angle	$2\theta_{1/2}$	$I_F = 20 \text{ mA}$	-	120	-	degree

Notes:

1. Recommended solder condition:



Product specifications contained herein may be changed without prior notice. It is therefore advisable to contact Purdy Electronics before proceeding with the design of equipment incorporating this product.

