

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°C)

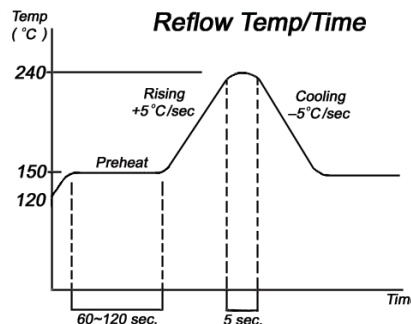
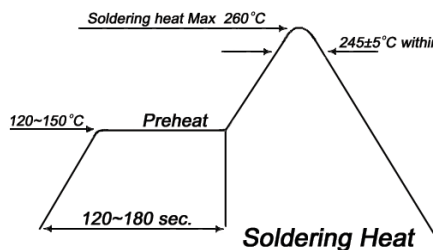
Characteristics	Symbol	Rating	Unit
Forward Current	I _F	25	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	60	mW
Operating Temp. Range	T _{Opr}	-40~ +85	°C
Storage Temp. Range	T _{Stg}	-40~ +90	°C
Soldering Temp. (for 5 seconds)	T _{Sol}	260	°C
Electrostatic Discharge	ESD	2000	V
Peak Forward Current (Duty 1/10 @ 1KHz)	I _F	60	mA

Electro-Optical Characteristics (T_a = 25°C)

Characteristics	Symbol	Test Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F = 5 mA	-	1.6	-	V
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 = 5 mA	-	45	-	mcd
Luminous Intensity	I _V	I _F = 20 mA	90	135	-	mcd
Peak Wavelength	λ _P	I _F = 20 mA	-	591	-	nm
Spectral Line Half Width	Δλ	I _F = 20 mA	-	15	-	nm
Dominant Wavelength	λ _d	I _F = 20 mA	-	589	-	nm
Full Viewing Angle	2 θ 1/2	I _F = 20 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.

