



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.

# AND113Y/YP Standard LED T-1 3/4 Package (5 mm)

#### **Features**

- Low power requirement
- Flush-mount
- · All plastic molded lens
- · Color: GaAsP-Red

## RoHS Compliant

1

#### Optical Characteristics ( $T_a = 25$ °C)

Color		Lens	Axial Luminous Intensity (mcd)		Test Condition	Viewing Angle
LED	Lens	Desc.	Min.	Тур.	(I <sub>F</sub> -mA)	2θ1/2 (deg)
Yellow	Yellow	Clear	20	50	10	30

#### Absolute Maximum Ratings ( $T_a = 25$ °C)

Characteristics	Symbol	Rating (Yellow)	Unit
Forward Current (DC)	I <sub>F</sub>	30	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	105	mW
Operating Temperature	T <sub>Opr</sub>	-40 to +85	°C
Storage Temperature Range	T <sub>Stg</sub>	-40 to +85	°C

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

Characteristics	Symbol	Test Condition	Yellow			Unit
Characteristics			Min.	Тур.	Max.	Offic
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> = 20mA	_	2.1	2.5	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> = 5 V	_	_	10	μΑ
Peak Emission Wavelength	λр	I <sub>F</sub> = 15mA	_	590	-	nm
Spectral Line Half Width	λ	I <sub>F</sub> = 15mA	-	35	-	nm

#### Precaution

Please be careful of the following:

- 1. Soldering temperature: 260°C max; Soldering time: 5 sec. max; Soldering portion of lead: up to 1.6 mm from the body of the device.
- 2. The lead can be formed up to 5 mm from the body of the device without forming stress. Soldering should be performed after the lead forming.













