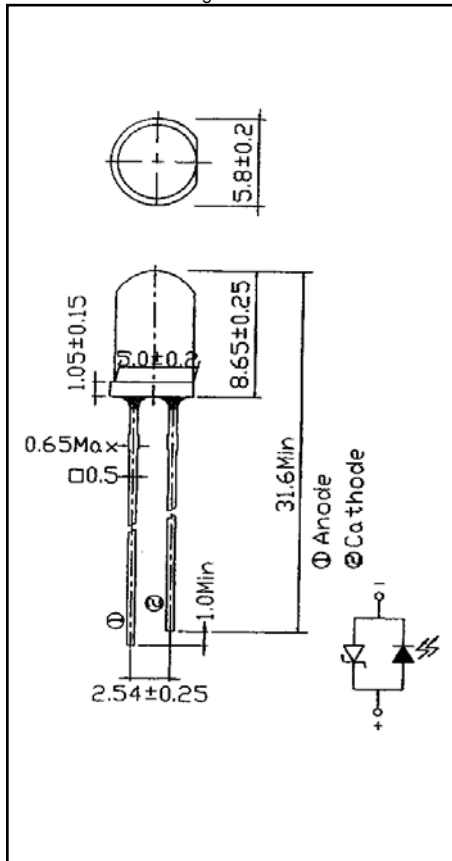




Package Dimensions Unit: mm



AND156SYP

AS AlInGaP Super Yellow Light Emission

T-1 3/4 Package (5 mm)

Features

- High efficiency
- Absorbing substrate aluminum gallium phosphide
- Viewing Angle: 30 degrees
- All plastic mold type, clear colorless lens
- Low power consumption
- ESD-withstand voltage: up to 4KV
- Pb free
- RoHS Compliant
- **Applications:** Outdoor Displays, Status Indicators, Backlighting, and Commercial Use

• RoHS Compliant

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

Characteristics	Symbol	Rating	Unit
Continuous Forward Current	I_F	50	mA
Peak Forward Current (Pulse Width < 100 μ s, Duty Cycle < 1%)	IFP	100	mA
Operating Temperature	T_{Opr}	-40 ~ + 85	$^\circ\text{C}$
Storage Temperature	T_{Stg}	-40 ~ +100	$^\circ\text{C}$
Soldering Temperature (Time < 5 seconds)	T_{Sol}	260	$^\circ\text{C}$
Power Dissipation	P_D	130	mW
Zener Reverse Current	I_Z	100	mA

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

Characteristics	Symbol	Rating	Unit
Electrostatic Discharge	ESD	4000	V

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

Characteristics	Symbol	Test Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V_F	$I_F = 20$ mA	-	2.0	2.6	V
Zener Reverse Voltage	V_Z	$I_Z = 5$ mA	-	-	3.0	V
Luminous Intensity	I_V	$I_F = 20$ mA	4500	6200	-	mcd
Peak Emission Wavelength	λ_p	$I_F = 20$ mA	-	591	-	nm
Dominant Wavelength	λ_d	$I_F = 20$ mA	-	589	-	nm
Spectrum Radiation Bandwidth	$\Delta\lambda$	$I_F = 20$ mA	-	15	-	nm

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.

Full Viewing Angle: 30 degree