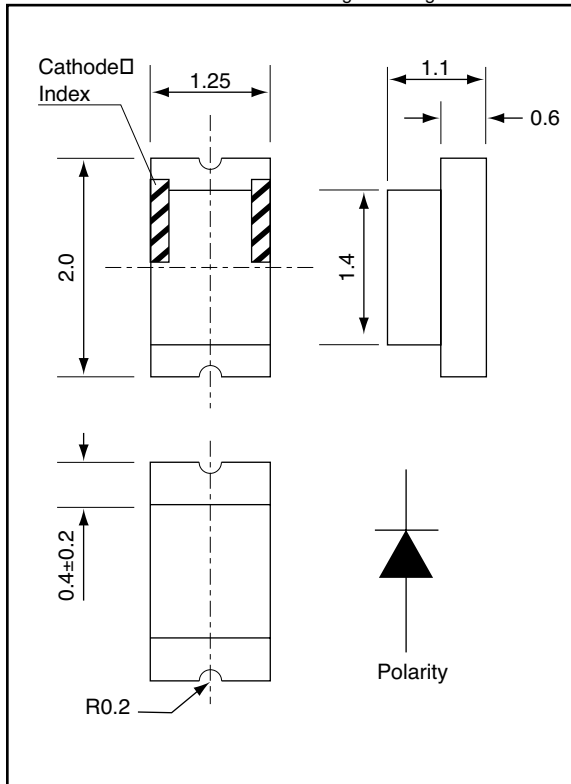




Weight: 2.0 mg Unit: mm



AND40A

InGaAlP Ultra Bright Orange Light Emission

Surface Mount Package

Features

- Small package size
- 2.0 (l) x 1.25 (w) x 1.1 (h) size
- Suitable for DIP and REFLOW soldering
- Recommended Forward Current: 10 mA

• RoHS Compliant

Maximum Ratings (T_a = 25°C)

Characteristics	Symbol	Rating	Unit
Forward Current	I _F	25	mA
Reverse Voltage	V _R	4	V
Power Dissipation	P _D	62.5	mW
Operating Temperature Range	T _{Opr}	-30 to 85	°C
Storage Temperature Range	T _{Stg}	-30 to 85	°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	2.8	V
Reverse Current	I _R	V _R = 4 V	-	-	100	μA
Luminous Intensity	I _V	I _F = 20 mA	27	60	-	mcd
Peak Emission Wavelength	I _P	I _F = 20 mA	-	612	-	nm
Spectral Line Half Width	Δλ	I _F = 20 mA	-	15	-	nm
Dominant Wavelength	λ _d	I _F = 20 mA	-	605	-	nm
Full Viewing Angle	θ	I _V = 1/2 Peak	-	140	-	degree

Precaution

Please be careful of the following:

1. Manual soldering: maximum temperature of iron tip: 260°C max.
Soldering time: within 5 sec. per solder-land
Soldering portion of lead: up to 1.6 mm from the body of the device
2. Reflow solder: recommended condition is as follows:

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.

