

Features

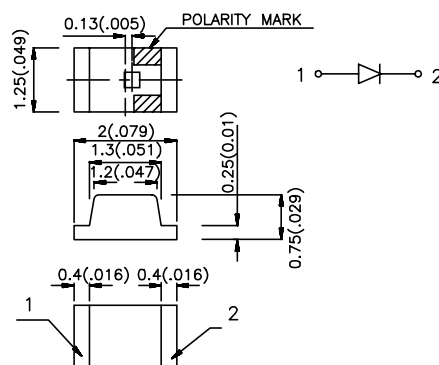
- 2.0mmx1.2mm SMT LED, 0.75mm THICKNESS.
- LOW POWER CONSUMPTION.
- WIDE VIEWING ANGLE.
- IDEAL FOR BACKLIGHT AND INDICATOR.
- VARIOUS COLORS AND LENS TYPES AVAILABLE.

APT2012NW PURE ORANGE

Package Dimensions

Description

The Pure Orange source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Pure Orange Light Emitting Diode.



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.1(0.004)$ unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subjected to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	2 θ 1/2
APT2012NW	PURE ORANGE (GaAsP/GaP)	WHITE DIFFUSED	5	12	120°

Note:

1. θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at T_A=25°C

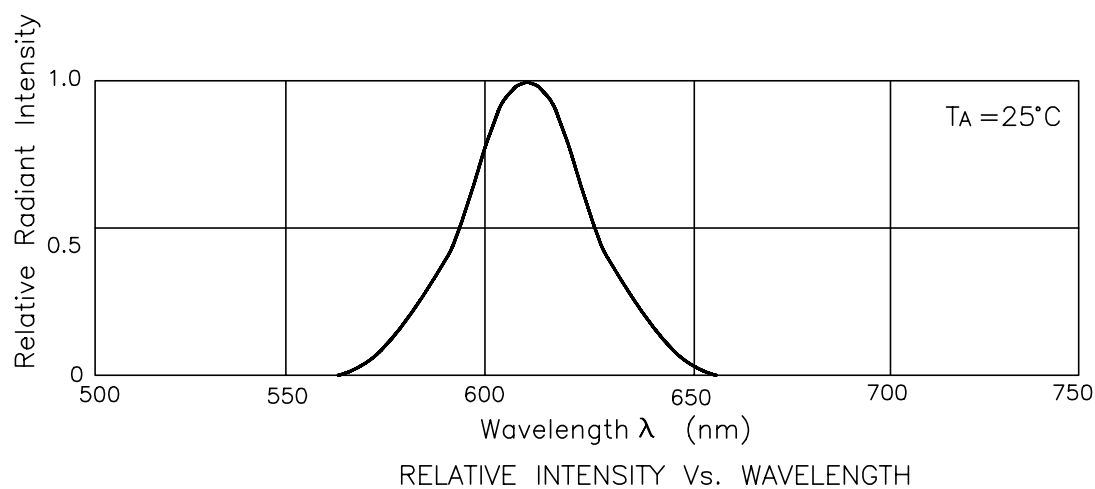
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Pure Orange	610		nm	I _F =20mA
$\Delta\lambda_{1/2}$	Spectral Line Halfwidth	Pure Orange	35		nm	I _F =20mA
C	Capacitance	Pure Orange	15		pF	V _F =0V;f=1MHz
V _F	Forward Voltage	Pure Orange	2.0	2.6	V	I _F =20mA
I _R	Reverse Current	All		10	uA	V _R = 5V

Absolute Maximum Ratings at T_A=25°C

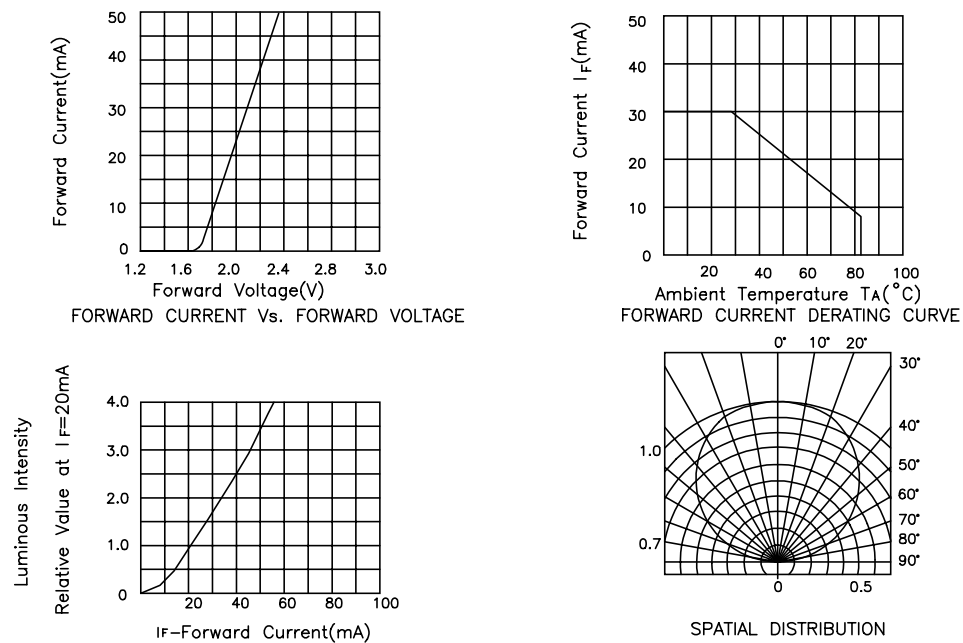
Parameter	Pure Orange	Units
Power dissipation	105	mW
DC Forward Current	30	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	

Note:

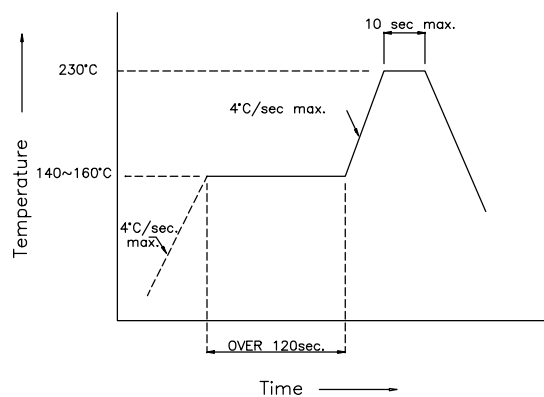
1. 1/10 Duty Cycle, 0.1ms Pulse Width.



Pure Orange APT2012NW

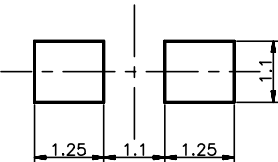


APT2012NW SMT Reflow Soldering Instructions



APT2012NW Recommended Soldering Pattern
(Units : mm)

FOR REFLOW SOLDERING



APT2012NW Tape Specifications
(Units : mm)

