

APT B1612SGNC

SUPER BRIGHT GREEN
PURE ORANGE

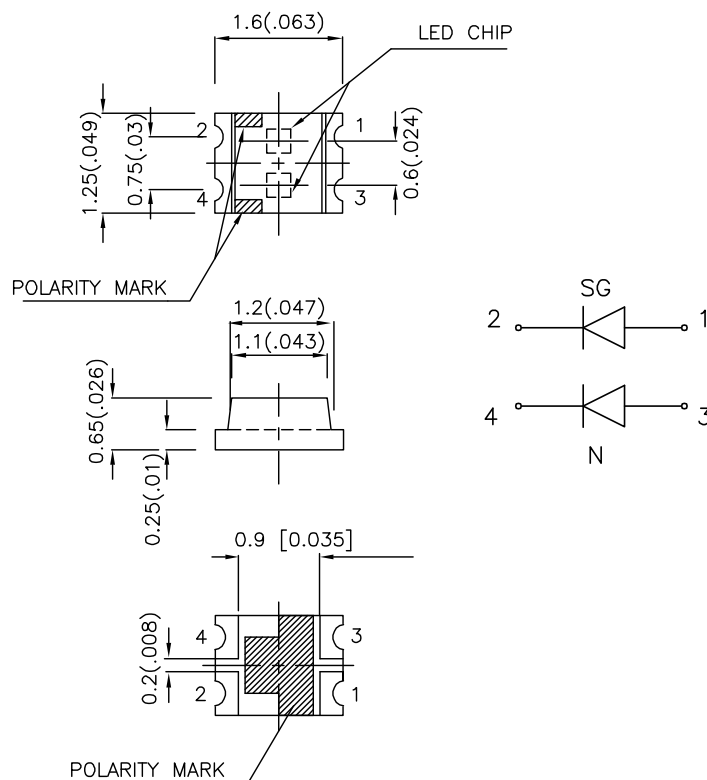
Features

- 1.6mmx1.25mm SMT LED, 0.65mm THICKNESS.
- BI-COLOR, LOW POWER CONSUMPTION.
- WIDE VIEWING ANGLE.
- IDEAL FOR BACKLIGHT AND INDICATOR.
- VARIOUS COLORS AND LENS TYPES AVAILABLE.
- PACKAGE : 2000PCS / REEL.

Description

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

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.2(0.008)$ unless otherwise noted.
3. Specifications are subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20mA		Viewing Angle
			Min.	Typ.	2θ1/2
APT B1612SGNC	SUPER BRIGHT GREEN (GaP)	WATER CLEAR	4	12	120°
	PURE ORANGE (GaAsP/GaP)		4	12	

Note:

1. $\theta_{1/2}$ 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

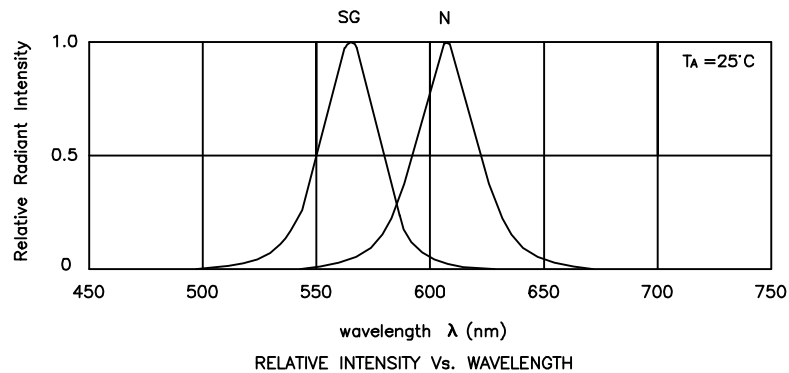
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Super Bright Green Pure Orange	565 607		nm	I _F =20mA
λ_D	Dominant Wavelength	Super Bright Green Pure Orange	568 610		nm	I _F =20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Super Bright Green Pure Orange	30 35		nm	I _F =20mA
C	Capacitance	Super Bright Green Pure Orange	15 15		pF	V _F =0V; f=1MHz
V _F	Forward Voltage	Super Bright Green Pure Orange	2.2 2.05	2.5 2.5	V	I _F =20mA
I _R	Reverse Current	All		10	uA	V _R = 5V

Absolute Maximum Ratings at T_A=25°C

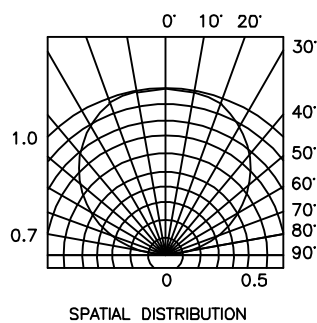
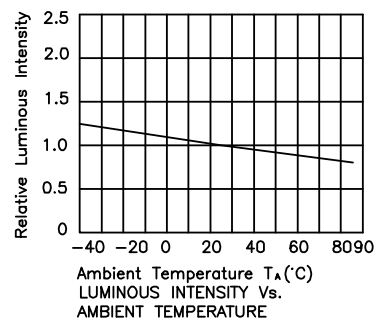
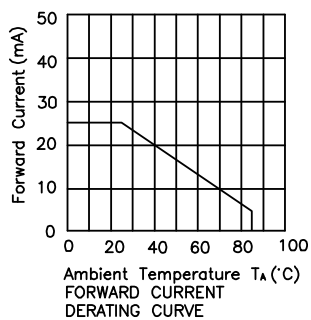
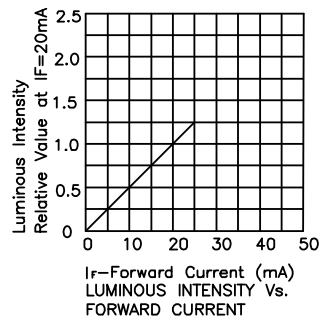
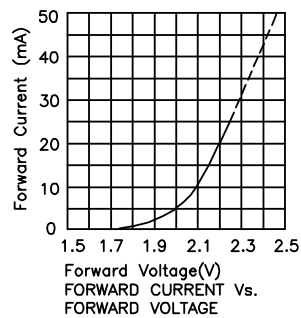
Parameter	Super Bright Green	Pure Orange	Units
Power dissipation [2]	105	105	mW
DC Forward Current	25	25	mA
Peak Forward Current [1]	140	145	mA
Reverse Voltage	5	5	V
Operating / Storage Temperature	-40°C To +85°C		

Note:

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



APTB1612SGNC Super Bright Green



Pure Orange

