

KP-2012VGC

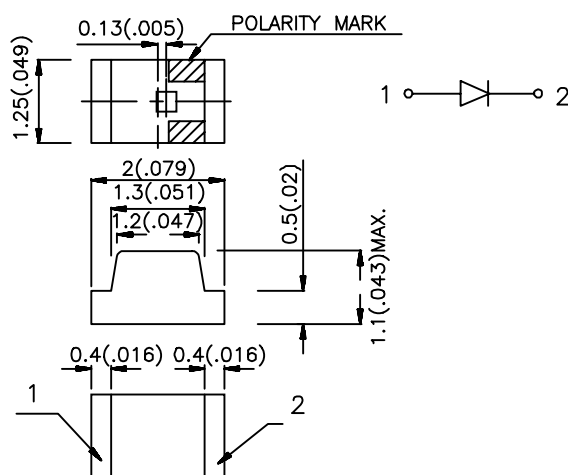
Features

- 2.0mmx1.2mm SMT LED, 1.1mm THICKNESS.
- LOW POWER CONSUMPTION.
- WIDE VIEWING ANGLE.
- IDEAL FOR BACKLIGHT AND INDICATOR.
- VARIOUS COLORS AND LENS TYPES AVAILABLE.

Description

The Green source color devices are made with
DH InGaN on GaAs substrate Light Emitting Diode.

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 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.	2θ1/2
KP-2012VGC	GREEN (GaP)	WATER CLEAR	50	100	120°

Note:

1. θ1/2 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

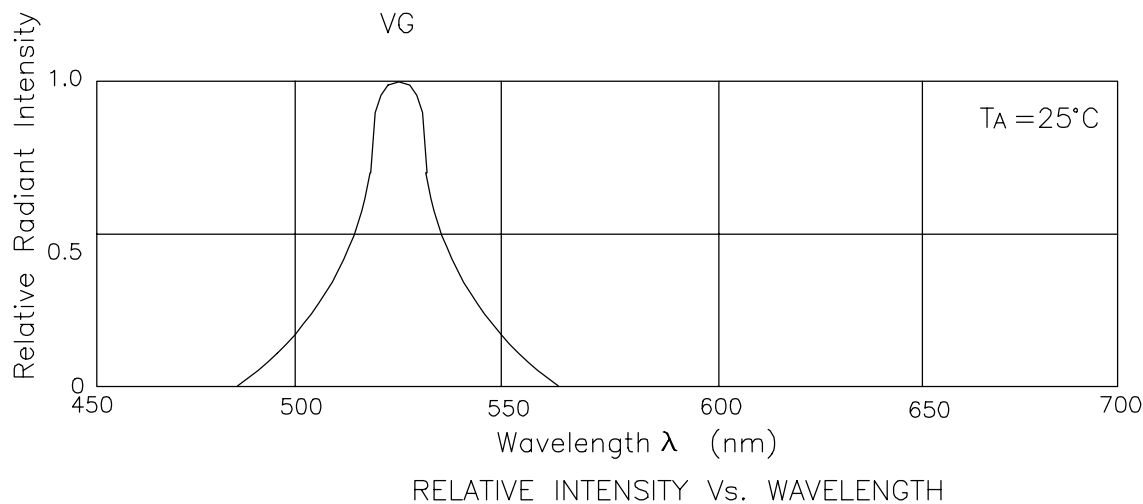
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Green	525		nm	IF=20mA
Δλ _{1/2}	Spectral Line Halfwidth	Green	36		nm	IF=20mA
V _F	Forward Voltage	Green	3.5	4.0	V	IF=20mA
I _R	Reverse Current	All		10	μA	VR = 5V

Absolute Maximum Ratings at T_A=25°C

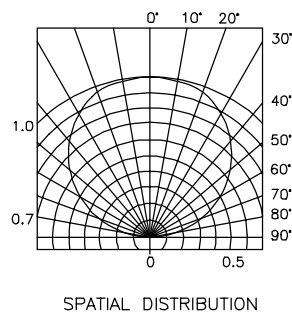
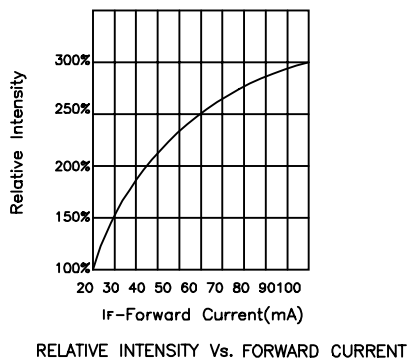
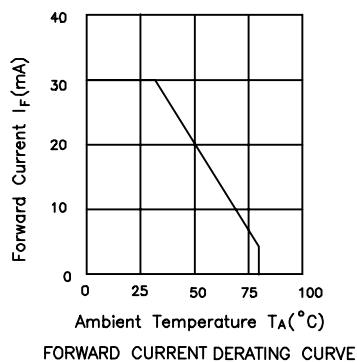
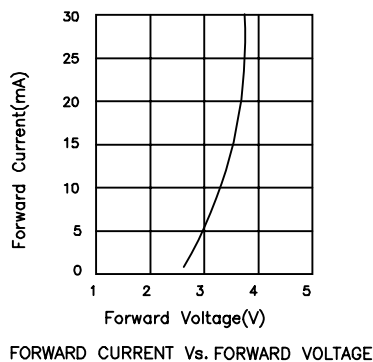
Parameter	Green	Units
DC Forward Current	30	mA
Peak Forward Current [1]	100	mA
Reverse Voltage	5	V
Operating Temperature	-20°C To +80°C	
Storage Temperature	-30°C To +85°C	

Note:

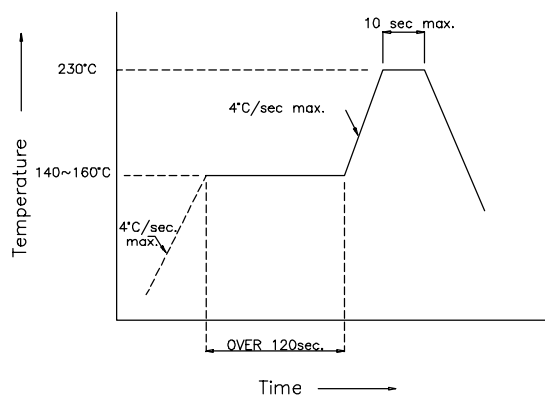
1. 1/10 Duty Cycle, 0.1ms Pulse Width.



Green KP-2012VGC

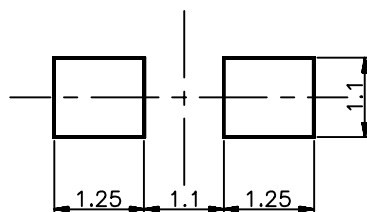


KP-2012VGC SMT Reflow Soldering Instructions



KP-2012VGC Recommended Soldering Pattern (Units : mm)

FOR REFLOW SOLDERING



KP-2012VGC Tape Specifications (Units : mm)

