#### 查询WP1413YDT供应商

#### 捷多邦,专业PCB打样工厂,24小时加急出货

The Yellow source color devices are made with Gallium

Arsenide Phosphide on Gallium Phosphide Yellow Light

## **Kingbright**

#### 4mm CYLINDRICAL LED LAMP

WP1413YDT

Description

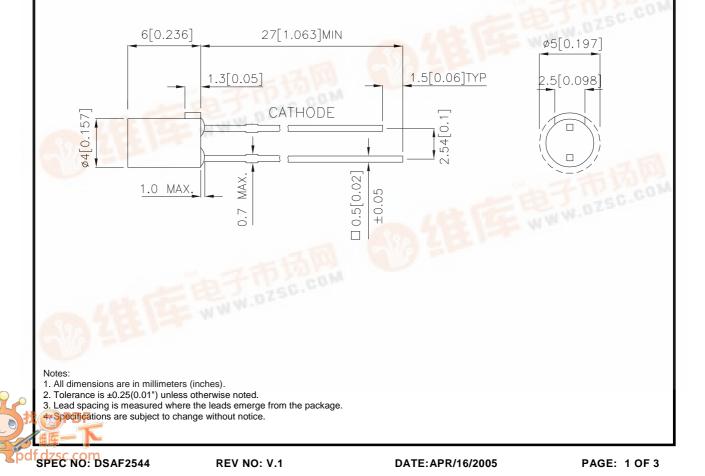
Emitting Diode.

YELLOW

### Features

- CYLINDRICAL TYPE, FLAT TOP.
- CONVEX CATHODE MARK ON BODY.
- WWW.DZSC.COM • LOW POWER CONSUMPTION.
- I.C. COMPATIBLE.
- RELIABLE AND RUGGED.
- LONG LIFE SOLID STATE RELIABILITY.
- RoHS COMPLIANT.

**Package Dimensions** 



# Kingbright

#### **Selection Guide**

Part No.	Dice	Lens Type	lv (mcd) @ 10mA		Viewing Angle
			Min.	Тур.	201/2
WP1413YDT	YELLOW (GaAsP/GaP)	YELLOW DIFFUSED	1	3	100°

#### 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 TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Yellow	590		nm	IF=20mA
λD	Dominant Wavelength	Yellow	588		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Yellow	35		nm	IF=20mA
С	Capacitance	Yellow	20		pF	VF=0V;f=1MHz
VF	Forward Voltage	Yellow	2.1	2.5	V	IF=20mA
I <sub>R</sub>	Reverse Current	All		10	uA	$V_R = 5V$

#### Absolute Maximum Ratings at TA=25°C

Parameter	Yellow	Units		
Power dissipation	105	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	140	mA		
Reverse Voltage	5	V		
Operating/storage Temperature	-40°C To +85°C			
Lead Solder Temperature [2]	260°C For 3 Seconds			
Lead Solder Temperature [3]	260°C For 5 Seconds			

Notes:

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

2. 2mm below package base.
3. 5mm below package base.

# Kingbright

