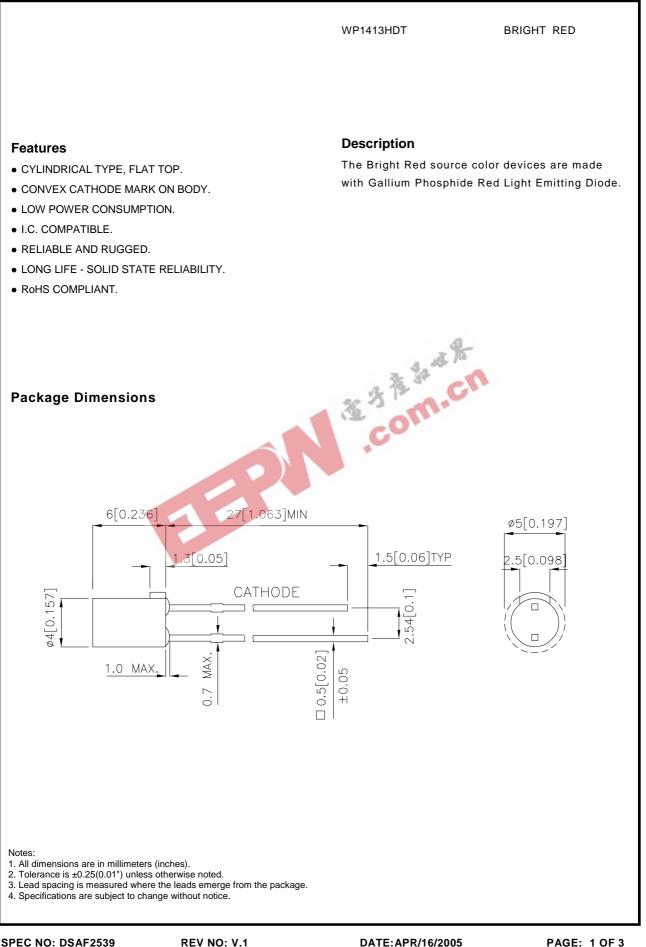
Kingbright

4mm CYLINDRICAL LED LAMP



APPROVED: J. Lu

REV NO: V.1 CHECKED: Allen Liu DATE:APR/16/2005 DRAWN: B.H.LI PAGE: 1 OF 3 ERP: 1101001455

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Selection Gui	de				
Part No.	Dice	Lens Type		lv (mcd) @ 10 mA	
			Min.	Тур.	2 0 1/2
WP1413HDT	BRIGHT RED (GaP)	RED DIFFUSED	0.3	1	100°

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 TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Bright Red	700		nm	IF=20mA
λD	Dominant Wavelength	Bright Red	660	4.4	nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Bright Red	45	AL ST	nm	IF=20mA
С	Capacitance	Bright Red	40	5	pF	VF=0V;f=1MHz
VF	Forward Voltage	Bright Red	2.25	2.5	V	IF=20mA
lr	Reverse Current	Bright Red		10	uA	VR = 5V



Absolute Maximum Ratings at TA=25°C

Parameter	Bright Red	Units			
ower dissipation 120		mW			
DC Forward Current	25	mA			
Peak Forward Current [1]	130	mA			
Reverse Voltage	5	V			
Operating / Storage Temperature	erating / Storage Temperature -40°C To +85°C				
Lead Solder Temperature [2]	260°C For 3 Seconds				
ead Solder Temperature [3] 260°C For 5 Seconds					

Notes:

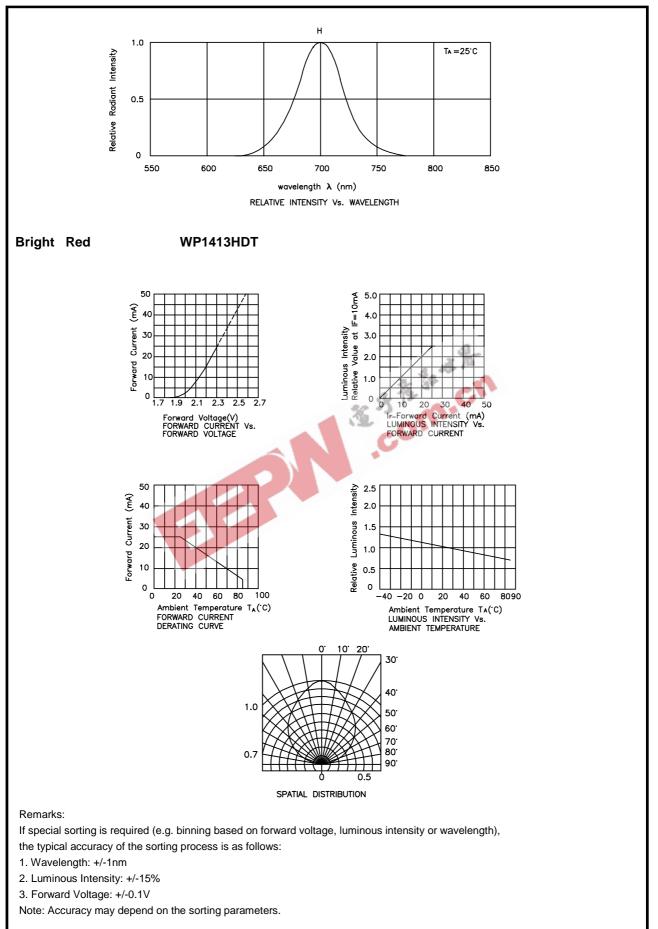
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. 2mm below package base.

3. 5mm below package base.

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