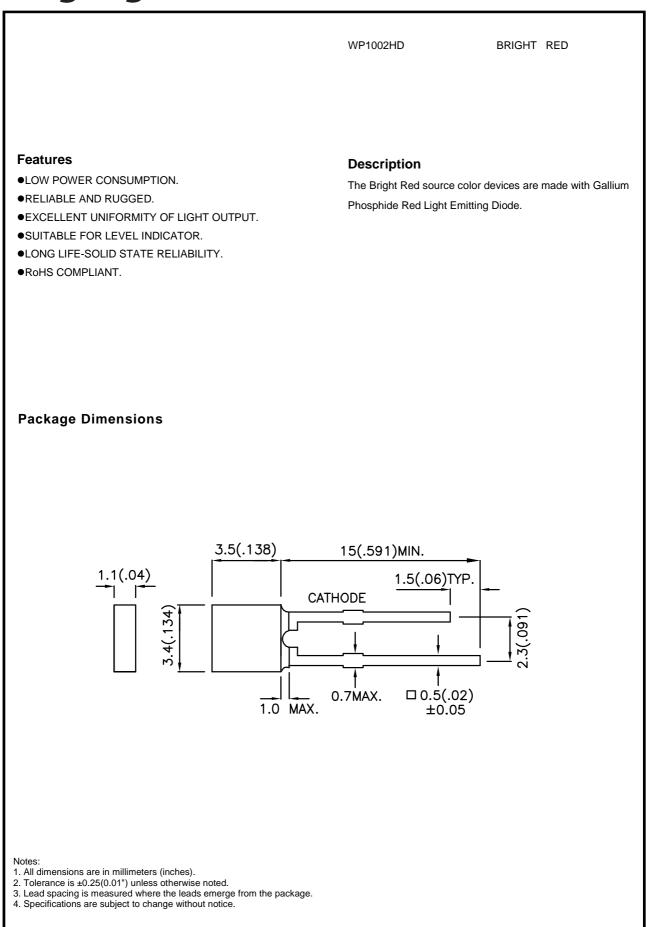
Kingbright

1.1x3.4mm RECTANGULAR SOLID LAMP



SPEC NO: DSAF2556 APPROVED: J. Lu

REV NO: V.1 CHECKED: Allen Liu DATE: APR/16/2005 DRAWN: Y.W.WANG PAGE: 1 OF 3 ERP:1101009334

Kingbright

Selection Gu	lide				
Part No.	Dice	Lens Type	lv (mcd) @ 10mA		Viewing Angle
			Min.	Тур.	2 θ 1/2
WP1002HD	BRIGHT RED (GaP)	RED DIFFUSED	0.2	0.7	110 °

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		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Bright Red	45		nm	IF=20mA
С	Capacitance	Bright Red	40		pF	VF=0V;f=1MHz
V _F	Forward Voltage	Bright Red	2.25	2.5	V	IF=20mA
I _R	Reverse Current	Bright Red		10	uA	VR = 5V

Absolute Maximum Ratings at TA=25°C

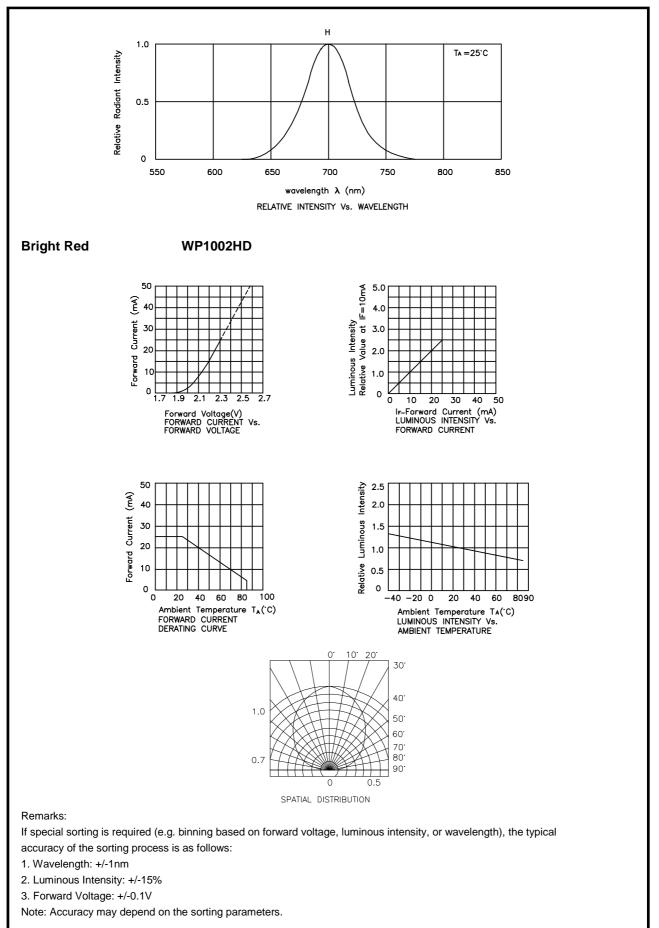
Parameter	Bright Red		
Power dissipation	120	mW	
DC Forward Current	25	mA	
Peak Forward Current [1]	130	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		
Lead Solder Temperature [2]	260°C For 3 Seconds		
Lead Solder Temperature [3]	260°C For 5 Seconds		

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.
3. 5mm below package base.

DATE: APR/16/2005 DRAWN: Y.W.WANG

Kingbright



REV NO: V.1 CHECKED: Allen Liu DATE: APR/16/2005 DRAWN: Y.W.WANG PAGE: 3 OF 3 ERP:1101009334