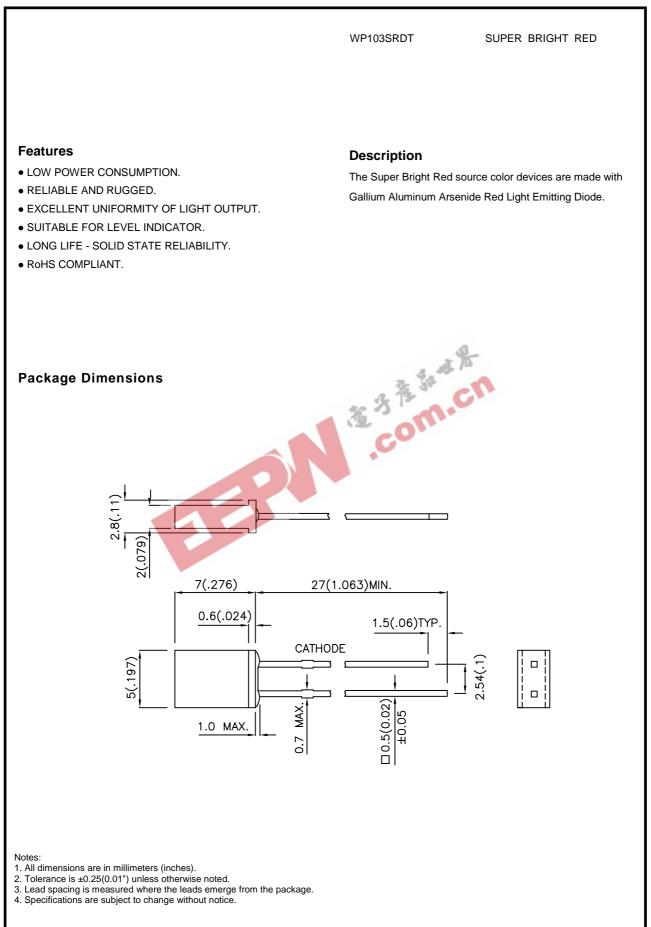
Kingbright

2mmx5mm RECTANGULAR SOLID LAMP



SPEC NO: DSAF2573 APPROVED: J. Lu REV NO: V.1 CHECKED: Allen Liu DATE: APR/19/2005 DRAWN: Y.W.WANG PAGE: 1 OF 3 ERP:1101000399

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Selection Guid	e				
Part No.	Dice	Lens Type	lv (mcd) @ 20mA		Viewing Angle
			Min.	Тур.	201/2
WP103SRDT	SUPER BRIGHT RED (GaAIAs)	RED DIFFUSED	36	80	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	Super Bright Red	660		nm	I _F =20mA
λD	Dominant Wavelength	Super Bright Red	640		nm	I _F =20mA
Δλ1/2	Spectral Line Half-width	Super Bright Red	20	- 4a X	nm	I _F =20mA
С	Capacitance	Super Bright Red	45	AL ST	P F	V _F =0V;f=1MHz
V _F	Forward Voltage	Super Bright Red	1.85	2.5	V	I _F =20mA
I _R	Reverse Current	Super Bright Red	C	10	uA	$V_R = 5V$



Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Red	Units		
Power dissipation	100	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	155	mA		
Reverse Voltage	5	V		
Operating / Storage Temperature	-40°C To +85°C	ŀ		
Lead Solder Temperature [2]	260°C For 3 Seconds			
Lead Solder Temperature [3]	260°C For 5 Seconds			

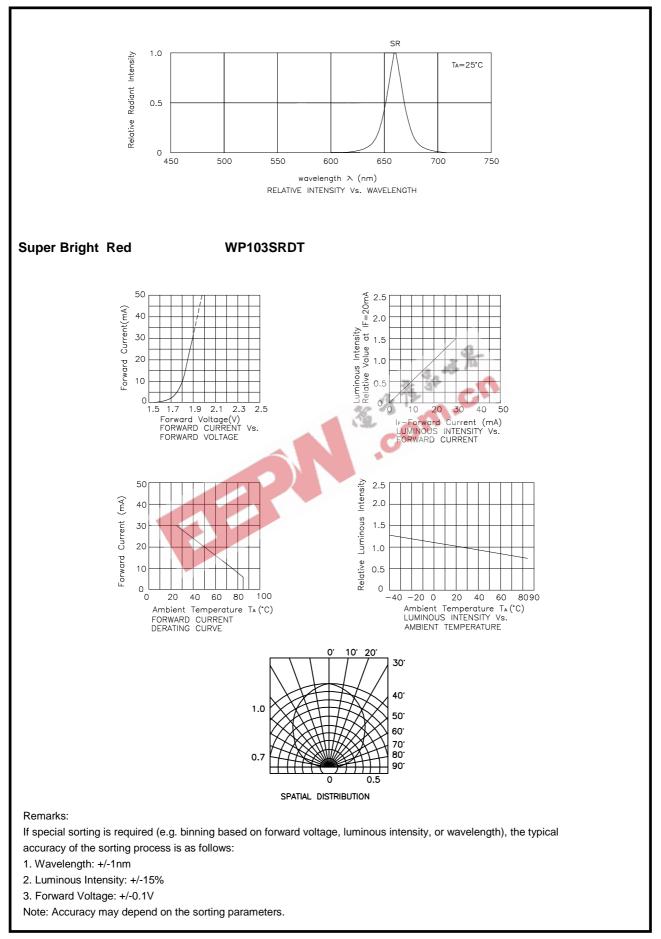
Notes:

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

2. 2mm below package base.

3. 5mm below package base.

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