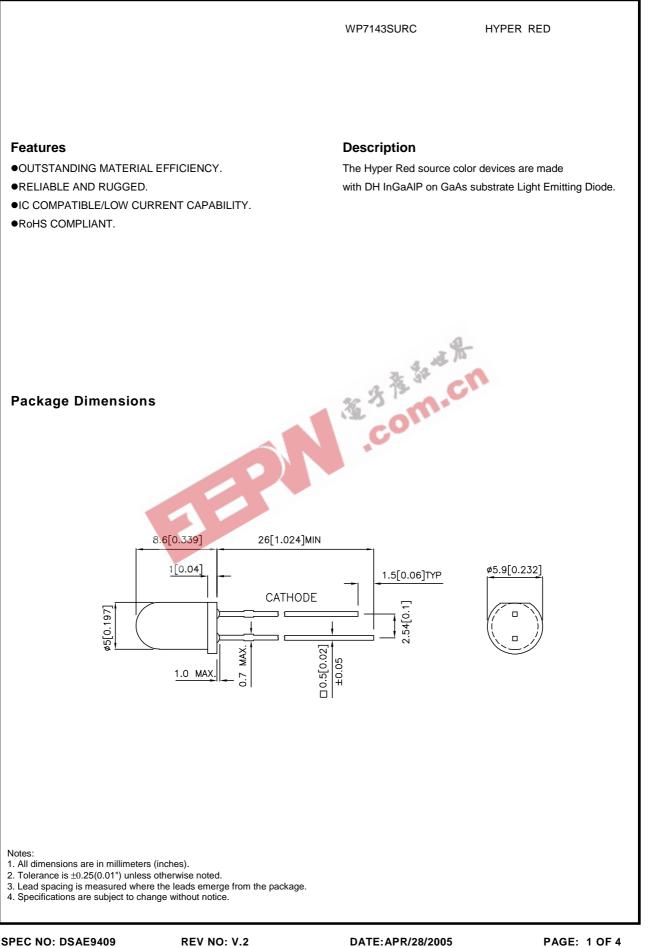
T-1 3/4 (5mm) ROUND LED LAMP



APPROVED: J. Lu

CHECKED: Allen Liu

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Selection Guide								
Part No.	Dice	Lens Type	lv (mcd) @ 20mA		Viewing Angle			
			Min.	Тур.	2 0 1/2			
WP7143SURC	HYPER RED (InGaAIP)	WATER CLEAR	480	850	30°			

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	Hyper Red	640		n m	IF=20mA
λD	Dominant Wavelength	Hyper Red	628	4.40	nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Hyper Red	27	3	nm	IF=20mA
С	Capacitance	Hyper Red	45	Ju.	pF	VF=0V;f=1MHz
Vf	Forward Voltage	Hyper Red	1.9	2.5	V	IF=20mA
lr	Reverse Current	Hyper Red		10	uA	VR = 5V



Absolute Maximum Ratings at TA=25°C

Parameter	Hyper Red	Units		
Power dissipation	170	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	185	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			

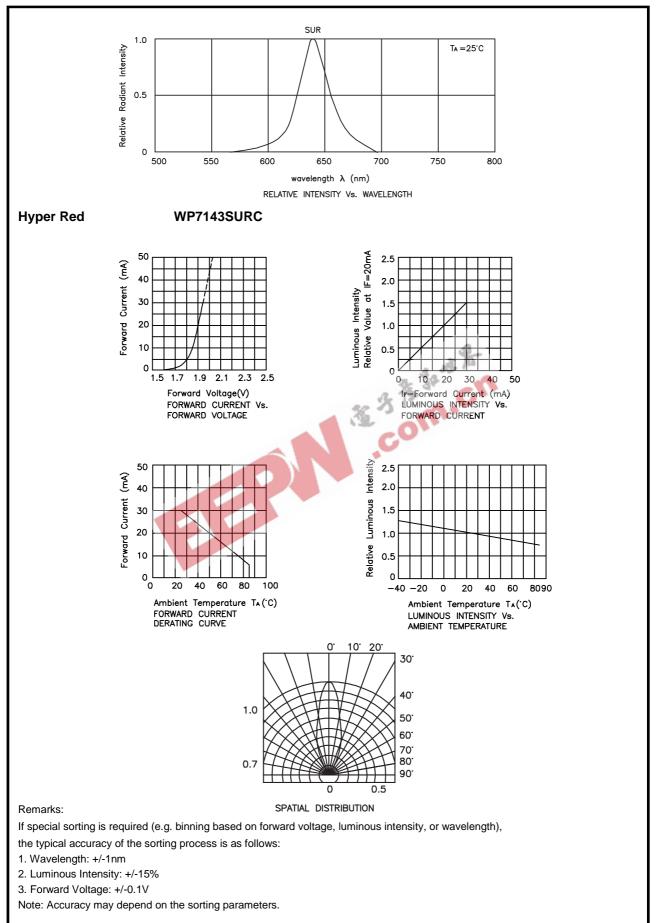
Notes:

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

2. 2mm below package base.

3. 5mm below package base.

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