

### 5mm LEDs

Order code	Manufacturer code	Description
56-1500	L-7113ID-5V	5MM 5V HE RED LED (RC)
56-1505	L-7113GD-5V	5MM 5V GREEN LED (RC)

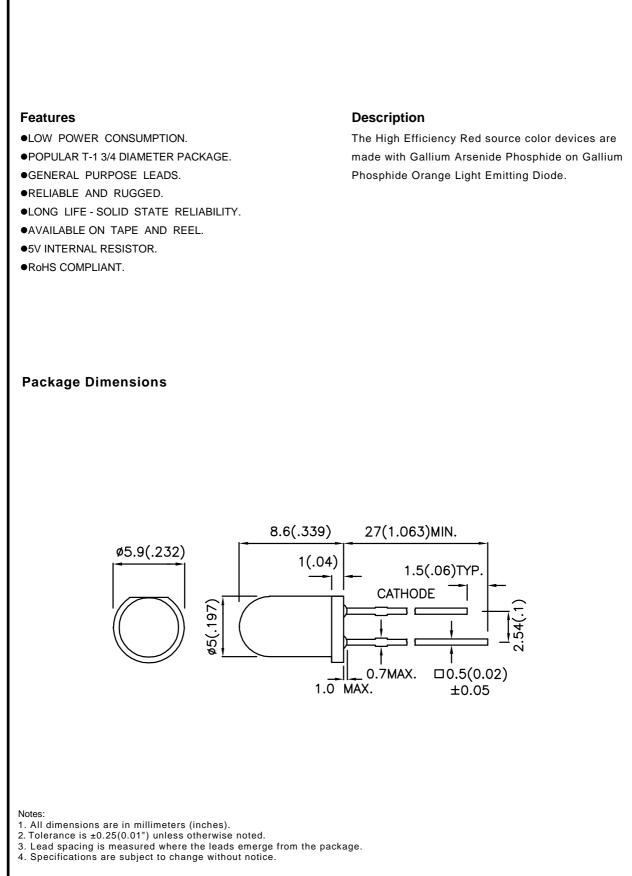
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The enclosed information is believed to be correct, Information may change 'without notice' due to	Revision A
product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	04/07/2003

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#### T-1 3/4 (5mm) SOLID STATE LAMP

L-7113ID-5V

HIGH EFFICIENCY RED



SPEC NO: DSAE8443 APPROVED: J. Lu REV NO: V.2 CHECKED: Allen Liu DATE: MAR/22/2005 DRAWN: H.Q.YUAN

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Selection Guide					
Part No.	Dice	Lens Type	lv (mcd) V=5V		Viewing Angle
			Min. Typ.		<b>2</b> θ <b>1/2</b>
L-7113ID-5V	HIGH EFFICIENCY RED (GaAsP/GaP)	RED DIFFUSED	12	30	30 <b>°</b>

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 T<sub>A</sub>=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	High Efficiency Red	627		nm	VF=5V
λD	Dominant Wavelength	High Efficiency Red	625		nm	VF=5V
Δλ1/2	Spectral Line Half-width	High Efficiency Red	45		nm	VF=5V
lf	Forward Current	High Efficiency Red	13	17.5	mA	VF=5V
IR	Reverse Current	High Efficiency Red		10	uA	Vr= 5V

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

Parameter	High Efficiency Red	Units
Power dissipation	85	mW
Forward Voltage	6	V
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	
Lead Solder Temperature[1]	260°C For 3 Seconds	
Lead Solder Temperature[2]	260°C For 5 Seconds	

Notes:

1. 2mm below package base.

2. 5mm below package base.

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