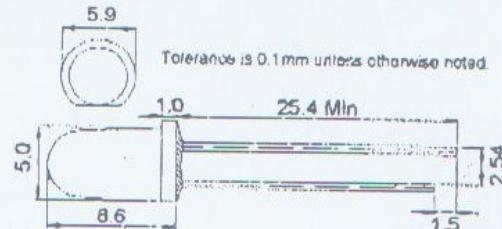


**Features:**

- Lighting color: Red
- Lens Type: Diffused Red
- Device Outline:  $\Phi 5\text{mm}$  Round Type



**Absolute Maximum Ratings**

(Ta = 25°C)

Series	Symbol	Testing Condition	Characteristics		Unit
			Max.	Min.	
Power Dissipation	Pd	—	90	—	mW
Reverse Voltage	VR	IR = 50 $\mu$ A	—	7	V
Peak Forward Current	Ipeak	Duty=0.1, 1kHz	120	—	mA
Derating Linear	I/C	—	0.5	—	mA/°C
Operating Temperature Range	Topr	—	+75	-25	°C
Storage Temperature Range	Tstr	—	+100	-40	°C
Lead Soldering Temperature	Tsol	260°C for 5sec. (3.0mm from resin)			

**Electro-Optical Characteristics**

(Ta = 25°C)

Series	Symbol	Testing Condition	Characteristics			Unit
			Max.	Typ.	Min.	
Forward Voltage	VF	IF = 20mA	2.5	2.2	—	V
Reverse Current	IR	VR = 5V	.30	—	—	$\mu$ A
Peak Emission Wavelength	$\lambda_p$	IF = 20mA	—	660	—	nm
Spectrum Width of Half Value	$\Delta \lambda$	IF = 20mA	—	20	—	nm
Luminous Intensity Angle	$2\phi 1/2$	IF = 20mA	—	40	—	°
Luminous Intensity	Iv	IF = 20mA	—	10	—	med

**Remarks:** Luminous Intensity is measured by JF-II tester of KELI.