

**LED 5mm Round Ultra Bright - RED****Feature**

- * Popular T-1 3/4 diameter package
- * High efficiency
- * General purpose leads
- * Reliable and robust
- * Pb free
- * The product itself remain within RoHS complaint Version

Absolute Maximum Ratings

Parameter	Symbol	MAX	Unit
Power Dissipation	PD	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1 ms Pulse Width)	IFP	100	mA
Continuous Forward Current	IF	25	mA
Reverse Voltage	VR	5	V
Operating Temperature Range	Topr	-40°C to +85°C	
Storage Temperature Range	Tstg	-40°C to +100°C	
Lead Soldering Temperature [4mm(.157") From Body]	Tsld	260°C for 5 Seconds	

Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol	Typ.	Unit	Test Condition
Viewing Angle*	$2\theta_{1/2}$	20	Deg	(Note 2)
Forward Voltage	V_F	2.0	V	IF=20mA
Reverse Current	I_R	---	μA	$V_R=5V$
Peak Emission Wavelength	λ_p	632	nm	IF=20mA
Dominant Wavelength	λ_d	624	nm	IF=20mA
Spectrum Radiation Bandwidth	$\Delta\lambda$	20	nm	IF=20mA
Luminous Intensity (Note 1)*	IV	12000	mcd	IF=20mA

Notes:

1. Luminous Intensity Measurement allowance is $\pm 10\%$
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity