3mm Round 875nm Infrared LED

UT 3548

Description

The UT 3548 used high efficiency 875nm GaAlAs materials molded into water clear lens. Comparing conventional GaAs/GaAs technology under similar wavelength, GaAlAs offers much higher radiant power. The viewing angles being offered is 30 degree. The most suitable application is Infrared Remote Control unit.

Applications

- Opto-Electronic switch
- Infrared remote control unit
- Free air transmission system
- Infrared applied system

RoHS

Pb pb-free

Electronic Optical Characteristics (at 20mA):

Part Number	λ (nm)		Lens Color	mW/sr		View Angle	VF(V)	
	λp	△λ		Min.	Typ.	(2θ1/2)	Typ.	Max.
UT 3548	875	80	Water Clear	4.0	6.5	30	1.3	1.6

＊Radiant Intensity Typ. 30 mW/sr @ IF=100mA, Pulse Width ≦100μsec, Duty ≦1%, VF @ 1.80V Max.

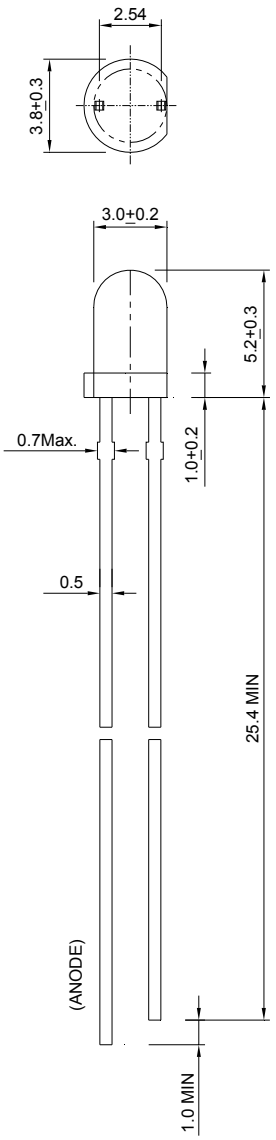
Absolute Maximum Ratings (at Ta=25℃)

Parameter	Symbol	Rating	Unit	Condition
Continuous Forward Current	IF	100	mA	
Peak Forward Current	IFP	1.0	A	Pulse Width=100us Duty Cycle = 1%
Soldering Temperature	Tsol	260	℃	4mm from lens body 1ess than 5 seconds
Storage Temperature	Tstg	-40 - +85	℃	
Operating Temperature	Topr	-40 - +85	℃	
Power Dissipation	PD	150	mW	25°C Free Air Temperature

Note: Please take note the Absolute Maximum Rating values. Any operation beyond the specified ratings in this table will result degradation of LED life- span and may cause LED to fail.

Package Dimension:

unit: mm



Notes:

1. All dimensions are millimeters.
2. Tolerance is ± 0.2mm unless otherwise specified.
3. Specifications are subject to change without notice.

Optical Characteristics Curves