

T-1 3/4(5mm) High Intensity LEDs

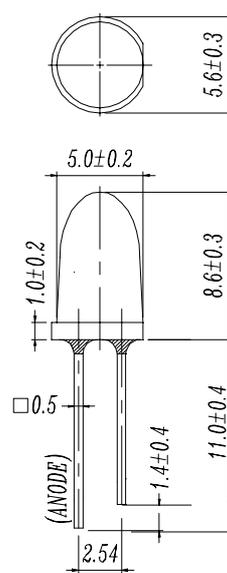
■ Features :

- Popular T-1 3/4 diameter package.
- Choice of various viewing angles.
- Available on tape and reel.
- Reliable and robust.

■ Descriptions :

- The series is specially designs for applications require higher brightness
- The LED lamps are available with different colors,intensities, epoxy colors, etc.

■ Package Dimensions:



■ Applications :

- TV Set
- Monitor
- Telephone
- Computer

■ Notes:

- 1.All dimensions are in millimeter.
- 2.An epoxy meniscus may extend about 1.5mm(0.059") down to the lead.

PART NO.	Chip		Lens Color
	Material	Emitted Color	
383URC-1/SN/F180	GaAlAs	Super Red	Water Clear

B971101.971039

Device Number : DLE-038-085 REV: 1.3

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PART NO. : 383URC-1/SN/F180 ECN : \_\_\_\_\_ Page: 2/4

■ Absolute Maximum Ratings at  $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Forward Current	$I_F$	40	mA
Operating Temperature	$T_{opr}$	-40 to +85	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 to +100	$^\circ\text{C}$
Soldering Temperature	$T_{sol}$	$260 \pm 5$	$^\circ\text{C}$
Power Dissipation	$P_d$	110	mW
Peak Forward Current(Duty 1/10 @ 1KHZ)	$I_F(\text{Peak})$	180	mA
Reverse Voltage	$V_R$	5	V

■ Electronic Optical Characteristics :

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	$I_v$	700	1000	-----	mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	----	12	----	deg	$I_F=20\text{mA}$
Peak Wavelength	$\lambda_p$	----	660	-----	nm	$I_F=20\text{mA}$
Dominant Wavelength	$\lambda_d$	----	643	----	nm	$I_F=20\text{mA}$
Spectrum Radiation Bandwidth	$\Delta\lambda$	----	20	----	nm	$I_F=20\text{mA}$
Forward Voltage	$V_F$	1.5	1.7	2.4	V	$I_F=20\text{mA}$
Reverse Current	$I_R$	----	----	10	$\mu\text{A}$	$V_R=5\text{V}$

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■ Typical Electro-Optical Characteristic Curves

