PRELIMINARY

L610-35T52 stem type LED

L610-35T52 is an InGaAlP LED mounted on TO-18 stem and hermetically sealed with flat glass can.
On forward bias it emits a spectral band of radiation, which peaks at 610nm.

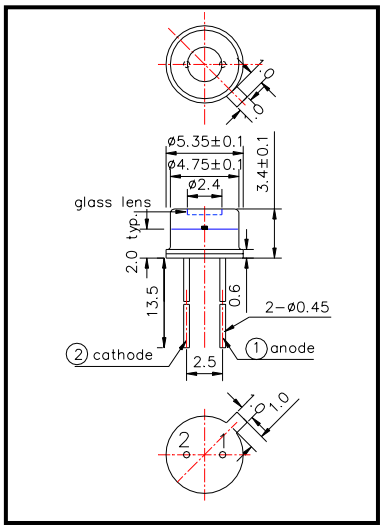
♦Features

1) Wide viewing angle
2) High Reliability
3) High Power

♦Specifications

1) Product Name	LED Lamp
2) Type No.	L610-35T52
3) Chip Spec.	
(1) Material	InGaAlP
(2) Peak Wavelength	610nm
4) Package	
(1) Type	TO-18 stem
(2) Lens	Φ2.4 flat glass lens
(3) Cap	Gold plated

♦Outer dimension (Unit: mm)



♦Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	PD	110	mW	Ta=25°C
Forward Current	IF	50	mA	Ta=25°C
Pulse Forward Current	IFP	100	mA	Ta=25°C
Reverse Voltage	VR	5	V	Ta=25°C
Operating Temperature	TOPR	-30 ~ +85	°C	
Storage Temperature	TSTG	-30 ~ +100	°C	
Soldering Temperature	TSOL	260	°C	

‡Pulse Forward Current condition: Duty=1% and Pulse Width=10us.
‡Soldering condition: Soldering condition must be completed within 3 seconds at 260°C

♦Electro-Optical Characteristics

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=20mA		1.9	2.3	V
Reverse Current	IR	VR=5V			10	uA
Total Radiated Power	PO	IF=20mA	0.5	0.8		mW
Brightness	Iv	IF=20mA		180		mcd
Radiant Intensity	IE	IF=20mA		0.3		mW/sr
Peak Wavelength	λP	IF=20mA	600	610	620	nm
Half Width	Δλ	IF=20mA		15		nm
Viewing Half Angle	θ 1/2	IF=20mA		±55		deg.

‡Total Radiated Power is measured by Photodyne #500
‡Radiant Intensity is measured by Tektronix J-6512.

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