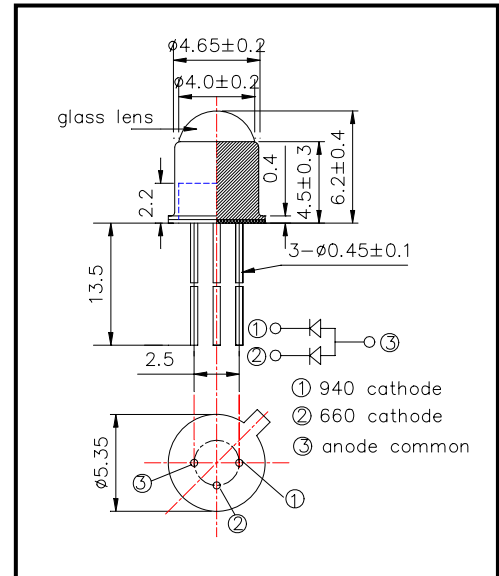


L660/940-40D32 multi-wavelength LED

L660/940-40D32 consists of an AlGaAs'(660, 940nm), LED mounted on TO-18 stem with a glass ball lens.

On forward bias it emits a spectral band of radiation, which peaks at 660nm and 940nm without sub-peak.

◆ Outer dimension(Unit: mm)



◆ Specifications

- 1) Product Name Multi-wavelength LED Lamp
- 2) Type No. L660/940-40D32
- 3) Chip
 - (1) Chip material AlGaAs, GaAs
 - (2) Chip dimension 350um(660nm), 400um(940nm)
 - (3) Peak wavelength 660nm, 940nm
- 4) Package
 - (1) Stem TO-18 3pins type
 - (2) Lens $\phi 5$ mm glass ball lens

◆ Absolute Maximum Ratings [Ta=25°C]

Item	Symbol	Maximum Rated Value		Unit
		660	940	
Power Dissipation	P _D	120	140	mW
Forward Current	I _F	50	100	mA
Pulse Forward Current	I _F	200	500	mA
Reverse Voltage	V _R	5		V
Operating Temperature	T _{OPR}	-20 ~ +80		°C
Storage Temperature	T _{STG}	-30 ~ +100		°C
Soldering Temperature	T _{SOL}	240		°C

‡Soldering condition: Soldering condition must be completed within 3 seconds at 240°C and is allowed in the area apart 3mm from the bottom of the lamp.

◆ Electro-Optical Characteristics [Ta=25°C]

Symbol	Wavelength	Condition	Minimum	Typical	Maximum	Unit
VF	660	IF=20mA		1.9	2.2	V
	940			1.2	1.3	
IR	660/940	VR=5V			10	uA
PO	660	IF=20mA		1.3		mW
	940			2.5		
IE	660	IF=20mA		13.0		mW/sr
	940			20.0		
λ_P	660	IF=20mA	650	660	670	nm
	940		935	940	955	
$\Delta\lambda$	660	IF=20mA		20		nm
	940			45		

‡Total Radiated Power is measured by Photodyne #500

‡Radiant Intensity is measured by Tektronix J-6512.