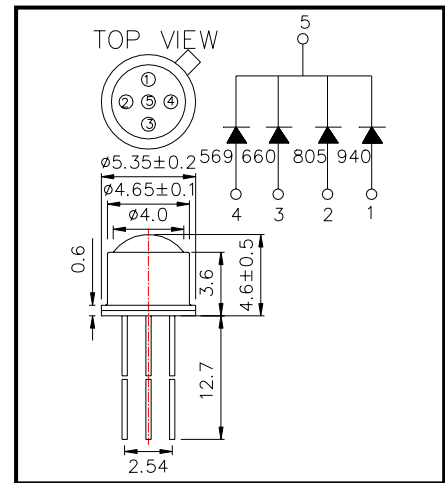


L569/660/805/940-35B42 multi-wavelength LED

L569/660/805/940-35B42 consists of an InGaAlAs'(569nm) , AlGaAs'(660, 805nm) and GaAs'(940nm) LED mounted on TO-18 stem with an unspherical glass lens.

◆ Outer dimension (Unit: mm)



◆ Specifications

- 1) Product Name multi-wavelength LED Lamp
- 2) Type No. L569/660/805/940-35B42
- 3) Chip
 - (1) Chip material InGaAlP, AlGaAs, GaAs
 - (2) Peak wavelength 569, 660, 805, 940nm
- 4) Package
 - (1) Stem TO-18 5pin type
 - (2) Lens $\Phi 5$ mm unspherical glass

◆ Absolute Maximum Ratings [Ta=25°C]

Item	Symbol	Maximum Rated Value				Unit
		569	660	805	940	
Power Dissipation	PD	110	120	170	140	mW
Forward Current	IF	50	50	100	100	mA
Pulse Forward Current	IF	1000	200	500	1000	mA
Reverse Voltage	VR	5				V
Operating Temperature	TOPR	-20 ~ +80				°C
Storage Temperature	TSTG	-30 ~ +100				°C
Soldering Temperature	TSOL	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	569	IF=20mA		2.0	2.3	V
	660			1.9	2.2	
	805			1.5	1.7	
	940			1.2	1.3	
IR		VR=5V			10	uA
PO	569	IF=20mA		0.08		mW
	660			2.9		
	805			3.5		
	940			2.5		
λ_P	569	IF=20mA	564	569	575	nm
	660		650	660	670	
	805		795	805	915	
	940		935	940	955	
$\Delta\lambda$	569	IF=20mA		15		nm
	660			20		
	805			30		
	940			45		

‡Total Radiated Power is measured by Photodyne #500