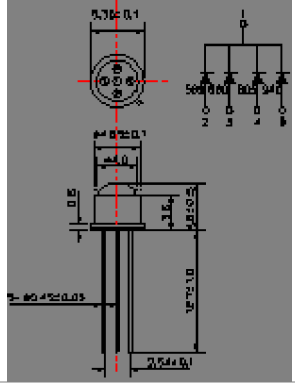


L569/660/805/940-35B42 Multi-wavelength LED

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

†Specifications

1)Product No.	Multi-wavelength LED Lamp	
2)type No.	L569/660/805/940-35B42	
3)Chip		
(1)Chip material	InGaAlP GaAlAs GaAs	
(2)Peak wavelength	569,660, 805, 940nm	
4)Package		
(1)stem type	TO-18 5pin type stem	
(2)Lens	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	IFP	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

†Electro-Optical Characteristics (Ta=25 °C)

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=20mA		2.0	2.3	V
				1.9	2.2	
				1.5	1.7	
				1.2	1.3	
Reverse Current	IR	VR=5V			10	uA
Total Radiation Power	Po	IF=20mA		0.8		mW
				2.9		
				3.5		
				2.5		
Peak Wavelength	λP	IF=20mA	564	569	575	nm
			650	660	670	
			795	805	815	
			935	940	955	
Half Width	Δλ	IF=20mA		15		nm
				20		
				30		
				45		

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