

L735/805/850-40B32 Multi-wavelength LED

L735/805/850-40B32 consists of an AlGaAs (735, 805, 850nm) LED mounted on TO-18 5pins type

stem with an glass lens. Chips are connected as anode common.

†Specifications

1)Product No.	Multi-wavelength LED Lamp	Outer Dimension
2)type No.	L735/805/850-40B32	
3)Chip		
(1)Chip material	GaAlAs	
(2)Peak wavelength	735, 805, 850nm	
4)Package		
(1)stem type	TO-18 5pin type stem	
(2)Lens	spherical glass	

†Absolute Maximum Ratings Ta=25 °C

Item	Symbol	Maximum Rated Value			Unit
		735	805	850	
Power Dissipation	PD	180	170	160	mW
Forward Current	IF	75	100	100	mA
Pulse Forward Current	IFP	200	300	500	mA
Reverse Voltage	VR	5			V
Operating Temperature e	TOPR	-20~+80			°C
Storage Temperature	TSTG	-30~+80			°C
Soldering Temperature	TSOL	240			°C

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

Item		Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	735nm	VF	IF=50mA		1.85	2.3	V
	805nm				1.6	1.8	
	850nm				1.55	1.7	
Reverse Current		IR	VR=5V			10	uA
Total Radiation Power	735nm	Po	IF=50mA	5.0	9.0		mW
	805nm			5.0	9.0		
	850nm				9.0		
Peak Wavelength	735nm	ēP	IF=50mA	710	735	755	nm
	805nm			790	805	820	
	850nm			835	850	865	
Half Width	735nm	ē6	IF=50mA		40		nm
	805nm				40		
	850nm				40		

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