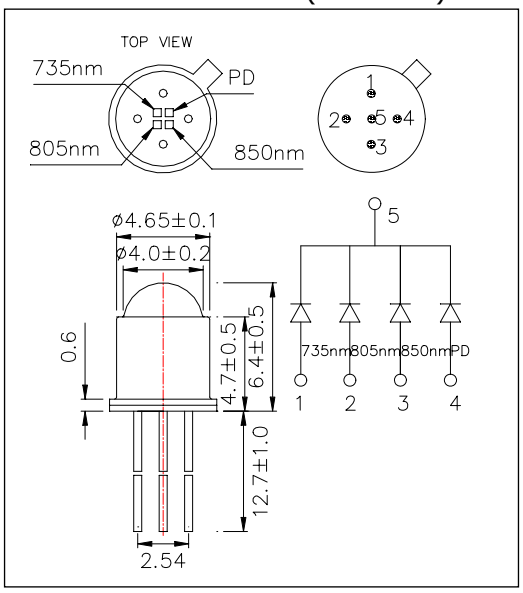
L735/805/850/PD-35B52

Multi-Wavelength LED

<Specifications>

1. Product Name: Multi-Wavelength LED Lamp
2. Type Number: L735/805/850/PD-35B52
3. Chip:
   - Chip material: AlGaAs/Si-PIN-PD
   - Peak Wavelength: 735,805,850nm
4. Package
   - Stem: TO-18 5pin type
   - Lens: Spherical Glass Ball Lens

Outer Dimension (Unit:mm)



Absolute Maximum Ratings[Ta=25℃]						
Item	Symbol	Maximum Rated Value				Unit
		735nm	805nm	850nm	PD	
Power Dissipation	PD	150	170	170	-	mW
Forward Current	IF	75	100	100	-	mA
Pulse Forward Current	IFP	300	500	1000	-	mA
Reverse Voltage	VR	5			100	V
Operating Temperature	TOPR	-30 ~ +85				℃
Storage Temperature	TSTG	-30 ~ +100				℃
Soldering Temperature*	TSOL	260				℃

* Soldering condition must be completed within 3 seconds at 260℃ and is allowed in the area apart 3mm from the bottom of the lamp

Electro-Optical Characteristics [Ta=25℃]													
Item	Symbol	Condition	Minimum			Typical			Maximum				Unit
			735	805	850	735	805	850	735	805	850	PD	
Forward Voltage	VF	IF=50mA				1.8	1.7	1.5	2.2	2.0	1.7		V
Reverse Current	IR	VR=5V							10				uA
T.Radiated Power*	PO	IF=50mA				7.0	10	10					mW
Peak wavelength	λP	IF=50mA	725	795	840	735	805	850	745	815	860		nm
Half Width	Δλ	IF=50mA				30	30	40					nm
Output Current	IL	VR=10V				150	220	300					uA
Dark Current	ID	VR=10V										10	nA

* Measured by Photodyne #500

RoHS Compliant

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