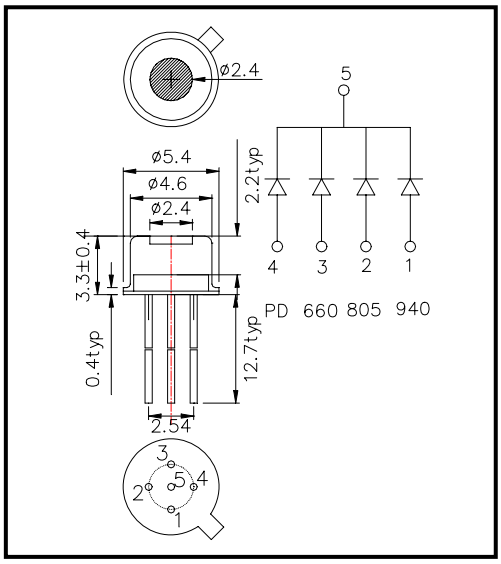
Marubeni

L660/805/940/PD010-35B52 multi-wavelength LED

L660/805/940/PD010-35B52 consists of an AlGaAs'(660 , 805nm), GaAs'(940nm) LED and a Si-PD mounted on TO-18 stem hermetical sealed with a Flat glass lens, and is designed to monitor reflected light through detector for controlling its own output power

♦Outer dimension（Unit: mm）



♦Specifications

1) Product Name	multi-wavelength LED Lamp
2) Type No.	L660/805/940/PD010-35B52
3) Chip	
(1) Chip material	AlGaAs, GaAs, Si-PIN-PD
(2) Peak wavelength	660, 805, 940nm
4) Package	
(1) Stem	TO-18 5pin type
(2) Lens	Φ2.4mm Flat glass

♦Absolute Maximum Ratings [Ta=25°C]

Item	Symbol	Maximum Rated Value				Unit
		660	805	940	PD	
Power Dissipation	PD	120	170	140	-	mW
Forward Current	IF	50	100	100	-	mA
Pulse Forward Current	IF	200	500	1000	-	mA
Reverse Voltage	VR	5			100	V
Operating Temperature	TOPR	-30 ~ +85				°C
Storage Temperature	TSTG	-30 ~ +100				°C
Soldering Temperature	TSOL	260				°C

‡Soldering condition: Soldering condition must be completed within 3 seconds at 260°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
	805			1.5	1.7	
	940			1.2	1.3	
IR		VR=5V			10	uA
PO	660	IF=20mA		2.9		mW
	805			3.5		
	940			2.5		
λP	660	IF=20mA	650	660	670	nm
	805		795	805	915	
	940		935	940	955	
Δλ	660	IF=20mA		20		nm
	805			30		
	940			45		
IL	660	VR=10V		50		uA
	805			130		
	940			140		
ID	PD	VR=10V			10	nA

‡Total Radiated Power is measured by Photodyne #500

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