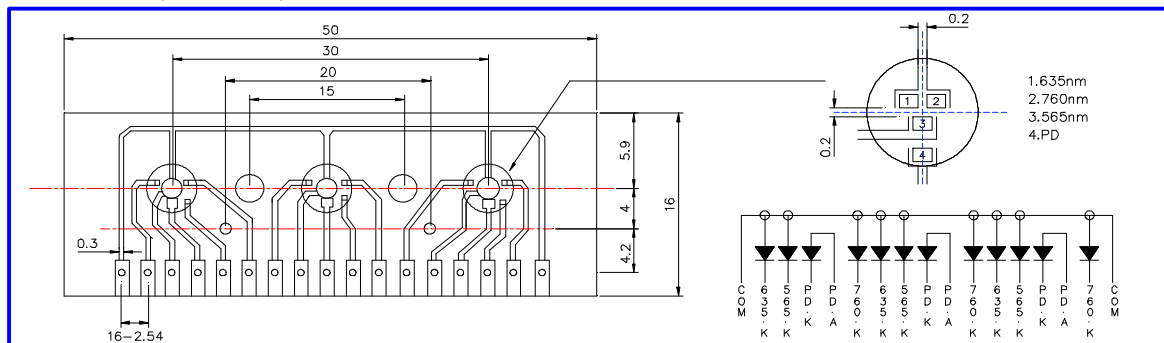


L565/635/760-PD006-3CB00 multi-wavelength LED

L565/635/760-PD006-3CB00 consists of an GaP ' (565nm) AlGaAs ' (635, 760nm) LED mounted on PCB as cathode common and designed to monitor reflected light through detector for controlling its own output power

◆Outer dimension (Unit : mm)



◆Specifications

- | | | | |
|--------------------|-----------------------------------|---------------------|---------------------------------|
| 1)Product Name | multi-wavelength LED with monitor | 2)Type No. | L565/635/760-PD006-3CB00 |
| 3)Chip | | (1)Chip material | GaP,AlGaAs and PIN-PD |
| (2)Peak wavelength | 565,635,760nm | (3) C h i P numbers | each type 3pcs.(totally 12pcs.) |
| 4)Package | | (1)Board | PCB |
| (2)Lens | clear epoxy resin | (2)Lens | clear epoxy resin |

◆Absolute Maximum Ratings [Ta=25°C]

Device	Item	Symbol	Maximum Rated Value				Unit
			565	635	760	PD006	
LED	Power Dissipation	Pd	75	100	200		mW
LED	Foward Current	IF	30	30	50		mA
LED/PD	Reverse Voltage	VR	5			50	V
TOPR	Operating Temperature	TOPR	-20 ~ +60				°C
TSTG	Storage Temperature	TSTG	-30 ~ +90				°C
TSOL	Soldering Temperature	TSOL	240				°C

◆Electro-Optical Characteristics [Ta=25°C]

Device	Item	Symbol	Wavelength	Condition	Minimum	Typical	Maximum	Unit
LED	ForwardVoltage	V F	565	I F=20mA		2.2	2.4	V
			635			2.1	2.3	
			760			1.7	2.0	
LED	Reverse Current	IR		VR=5V			10	μ A
LED	Output Power	P o	565	I F=20mA	0.06	0.12		mW
			635		0.40	0.80		
			760		2.00	4.00		
LED	Peak Wavelength	λ P	565	I F=20mA		565		nm
			635			635		
			760			760		
LED	Half Width	Δλ	565	I F=20mA		35		nm
			635			20		
			760			30		
PD	Output Current	IL		VR=5V, L=1000Lx		2		μ A
PD	Dark Current	Id		VR=10V, L=0Lx			10	nA

‡ Total Radiated Power is measured by Photodyne #500