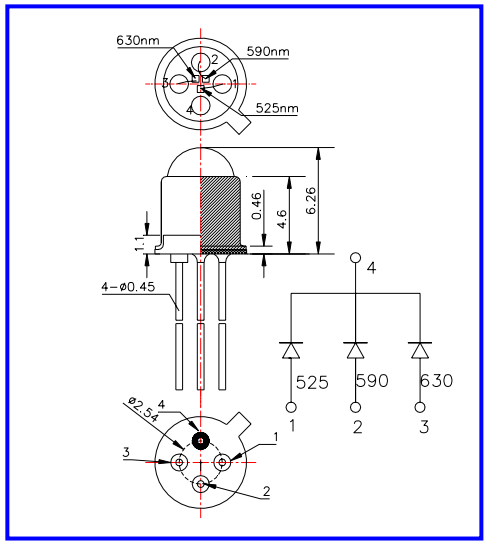
Lead (Pb) Free Product – RoHS Compliant

L525/590/630-30C32 multi-wavelength LED

L525/590/630-30C32 consists of an InGaN (525nm), And InGaAsP (590nm,630nm) LED mounted on TO-18 4pins type stem with a glass ball lens. Chips are connected as cathode common.

♦Outer dimension (Unit: mm)



♦Specifications

1) Product Name	Multi-wavelength LED Lamp
2) Type No.	L525/590/630-30C32
3) Chip	
(1) Chip material	InGaN, InGaAlP
(2) Peak wavelength	525, 595, 635nm
4) Package	
(1) Stem	TO-18 4pin type
(2) Lens	Φ5 spherical glass

♦Absolute Maximum Ratings [Ta=25°C]

Item	Symbol	Maximum Rated Value			Unit
		525	590	630	
Power Dissipation	PD	120	130	140	mW
Forward Current	IF	30	40	50	mA
Reverse Voltage	VR	5			V
Operating Temperature	TOPR	-20 ~ +80			°C
Storage Temperature	TSTG	-30 ~ +100			°C
Soldering Temperature	TSOL	240			°C

‡Soldering condition: Soldering condition must be completed within 3 seconds at 240°C and is allowed in the area apart 3mm from the bottom of the lamp.

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

Item	Symbol	Wavelength	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	525	IF=20mA		3.80	4.30	V
		590			2.10	2.40	
		630			2.20	2.60	
Reverse Current	IR		VR=5V			10	u A
Total Output Power	PO	525	IF=20mA	0.30	0.50		mW
		590		0.40	0.80		
		630		1.50	3.00		
Peak Wavelength	λP	525	IF=20mA	515	525	535	nm
		590		585	595	605	
		630		625	635	645	
Half Wavelength	Δλ	525	IF=20mA		25		nm
		590			15		
		630			15		

‡Total Radiated Power is measured by Photodyne #500

EPITEX INC. : 4, Nishiaketa-Cho, Higashi-Kujyou, Minami-Ku, Kyoto, Japan
Tel.: ++81-75-682-2338 Fax: ++81-75-682-2267
e-mail: sales-dep@epitex.com http://www.epitex.com