

L6*569/660/805/940/975-35Q96 Multi-wavelength LED

L6*569/660/805/940-35Q96 consists of an InGaAlAs' (569nm) , AlGaAs' (660, 805nm) and GaAs' (940, 975nm) LED mounted on TO-5 stem as cathode common with an flat glass can.

†Specifications

1)Product No.	Multi-wavelength LED Lamp	Outer Dimension
2)type No.	L6*569/660/805/940/975-35Q96	
3)Chip		
(1)Chip material	InGaAlP GaAlAs GaAs	
(2)Peak wavelength	569,660, 805, 940,975nm	
4)Package		
(1)stem type	TO-18 5pin type stem	
(2)Lens	unspherical glass	

†Absolute Maximum Ratings Ta=25 °C

Item	Symbol	Maximum Rated Value					Unit
		569	660	805	940	975	
Power Dissipation	PD	110	120	170	140	130	mW
Forward Current	IF	50	50	100	100	100	mA
Pulse Forward Current	IFP	1000	200	500	1000	1000	mA
Reverse Voltage	VR	5					V
Operating Temperature	TOPR	-20~+80					°C
Storage Temperature	TSTG	-30~+100					°C
Soldering Temperature	TSOL	240					°C

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

Electro-Optical Characteristics (TA-25°C)							
Item		Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	569nm	VF	IF=20mA		2.00	2.30	V
	660nm				1.90	2.20	
	805nm				1.50	1.70	
	940nm				1.25	1.40	
	975nm				1.20	1.30	
Reverse Current		IR	VR=5V			10	uA
Total Radiation Power	569nm	Po	IF=20mA		0.8		mW
	660nm				2.9		
	805nm				3.5		
	940nm				2.5		
	975nm				0.9		
Peak Wavelength	569nm	ëP	IF=20mA	564	569	575	nm
	660nm			650	660	670	
	805nm			795	805	815	
	940nm			935	940	955	
	975nm			960	975	980	
Half Width	569nm	ë	IF=20mA		15		nm
	660nm				20		
	805nm				30		
	940nm				45		
	975nm				55		