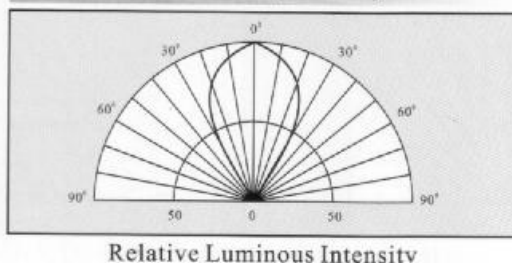




Characters

- Viewing angle 60 deg

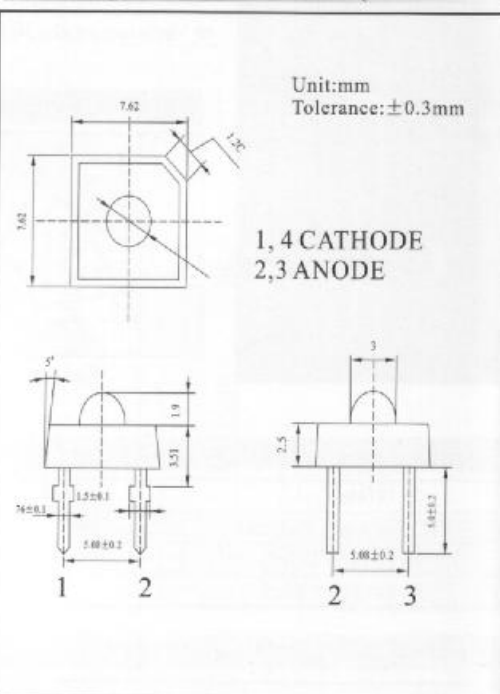
Directive characteristics (Ta=25°C)



Absolute Maximum Ratings (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	IF	75	mA
Pulse Forward Current	IFP	100*1	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	120	mW
Operating Temperature	Topr	-30~+80	°C
Storage Temperature	Tstg	-30~+100	°C

Package Outlines (Unit:mm)



Electrical and Optical Characteristics

Part Number*2	Emitting Color	Lens Type	Forward Voltage VF (V)		Chromaticity Coordinates*4				Luminous IntensityIv (mcd)*3		Reverse Current IR (μ A) AT VR=5V
					x		y				
			Working Current:IF=20mA								
			Typ.	Max.	Min.	Max.	Min.	Max.	Typ.	Max.	
OSPW7161D	White	Water Clear	3.4	4.0	0.19	0.29	0.21	0.28	3500	5500	<10
OSPK7161D	Pink	Water Clear	3.4	4.0	0.35	0.45	0.15	0.25	1000	1500	<10

Electrical and Optical Characteristics

Part Number*2	Emitting Color	Lens Type	Forward Voltage VF(V)		Dominant Wavelength λd (nm)*5		Luminous Intensity Iv (mcd)*3		Reverse Current IR (μA) AT VR=5V
			Typ.	Max.	Typ.	Max.	Typ.	Max.	
OSUB7161D	Blue	Water Clear	3.4	4.0	470	475	2000	3500	<10
OSPG7161D	Pure Green	Water Clear	3.4	4.0	525	530	5000	8000	<10
OSBG7161D	Bluish Green	Water Clear	3.4	4.0	505	510	5000	8000	<10
OSSV7161D	Violet	Water Clear	3.4	4.0	400	405	100	150	<10

*2 See table for Luminous Intensity Ranks

*3 Axial Direction (Luminous Intensity)

*4 Please refer to CIE 1931 chromaticity diagram

*5 Devices are sorted by 5nm wavelength ranges

*6 Other types please refer to photo

Package

Bulk.....	100pieces/bag	(Code No.1)
Bulk.....	200pieces/bag	(Code No.2)
Bulk.....	500pieces/bag	(Code No.5)
Bulk.....	1000pieces/bag	(Code No.6)

*6

