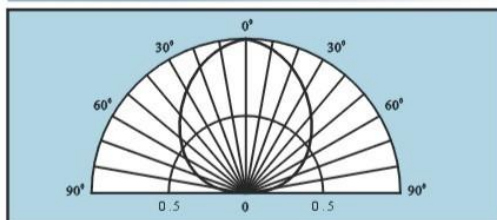


Characters

- Viewing angle 120 deg

Directive Characteristics (Ta=25°C)



Relative Luminous Intensity

Absolute Maximum Ratings (Ta=25°C)

Item	Symbol	Value		Unit
		PG/UB/SV	HR/OR/YL	
DC Forward Current	IF	30	50	mA
Pulse Forward Current	IFP	100 *1	120 *1	mA
Reverse Voltage	VR	5	5	V
Power Dissipation	PD	120	100	mW
Operating Temperature	Topr	-30~+80	-30~+85	°C
Storage Temperature	Tstg	-30~+100	-30~+100	°C

*1 Pulse width Max. 10ms Duty ratio max 1/10

Electrical and Optical Characteristics

Part Number*2	Emitting Color	Lens Type	Forward Voltage VF (V)		Chromaticity Coordinates*4				Luminous Intensity Iv (mcd)*3		Reverse Current IR (μ A) at Vr=5V	
					x		y					
			Working Current:IF=20mA									
			Typ.	Max.	Min.	Max.	Min.	Max.	Typ.	Max.		
OSPW71B1D	White	Water Clear	3.3	3.8	0.22	0.32	0.24	0.34	1500	2500	<10	
OSPK71B1D	Pink	Water Clear	3.3	3.8	0.35	0.45	0.15	0.25	800	1200	<10	

Electrical and Optical Characteristics

Part Number*2	Emitting Color	Lens Type	Forward Voltage VF(V)		Dominant Wavelength λ d (nm)*5		Luminous Intensity Iv (mcd)*3		Reverse Current IR (μ A) at Vr=5V
			Working Current:IF=20mA						
			Typ.	Max.	Typ.	Max.	Typ.	Max.	
OSUB71B1D	Blue	Water Clear	3.3	3.8	470	475	750	1120	<10
OSPG71B1D	Pure Green	Water Clear	3.3	3.8	525	535	1560	3000	<10
OSSV71B1D	Violet	Water Clear	3.5	3.8	405	410	60	100	<10
OSYL71B1D	Yellow	Water Clear	2.0	2.4	590	595	1120	1560	<10
OSOR71B1D	Orange	Water Clear	2.0	2.4	605	610	1120	1560	<10
OSHR71B1D	High Red	Water Clear	2.0	2.4	625	630	1120	1560	<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

Package

Bulk.....	100pieces/bag	(Code No.1)
Bulk.....	200pieces/bag	(Code No.2)
Bulk.....	500pieces/bag	(Code No.5)
Bulk.....	1000pieces/bag	(Code No.10)

Package Outlines

(Unit:mm)

