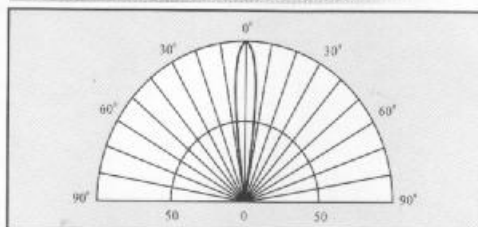


Characters

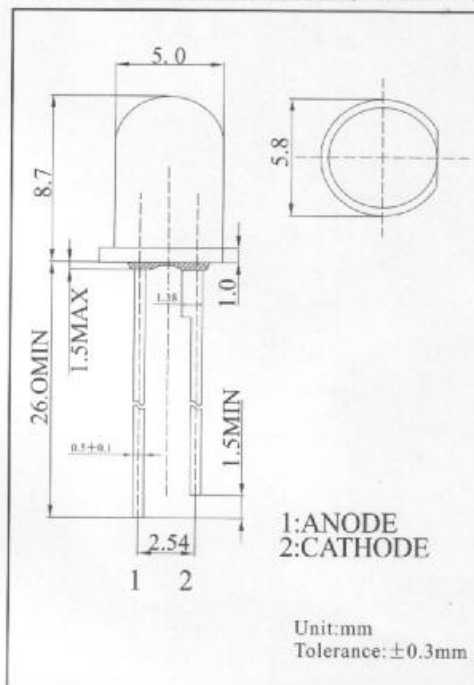
- Viewing angle 15 deg

Directive characteristics (Ta=25°C)



Relative Luminous Intensity

Package Outlines (Unit:mm)



Absolute Maximum Ratings (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	IF	100	mA
Pulse Forward Current	IFP	150*1	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	500	mW
Operating Temperature	Topr	-30~+80	°C
Storage Temperature	Tstg	-30~+100	°C

*1 Duty 1/10 Pulse Width 10 ms

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 (μA) At VR=5V
			Typ.	Max.	x		y		Typ.	Max.	
					Min.	Max.	Min.	Max.			
Working Current:IF=75mA											
OSPW5111P	White	Water Clear	3.6	4.2	0.19	0.29	0.21	0.28	30,000	50,000	<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.	
OSUB5111P	Blue	Water Clear	3.6	4.2	470	475	10,000	15,000	<10
OSPG5111P	Pure Green	Water Clear	3.6	4.2	525	530	30,000	70,000	<10
OSBG5111P	Bluish Green	Water Clear	3.6	4.2	505	510	30,000	70,000	<10
OSHR5111P	Red	Water Clear	2.2	2.6	625	630	30,000	70,000	<10
OSOR5111P	Orange	Water Clear	2.2	2.6	600	610	30,000	70,000	<10
OSYL5111P	Yellow	Water Clear	2.2	2.6	585	595	30,000	70,000	<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

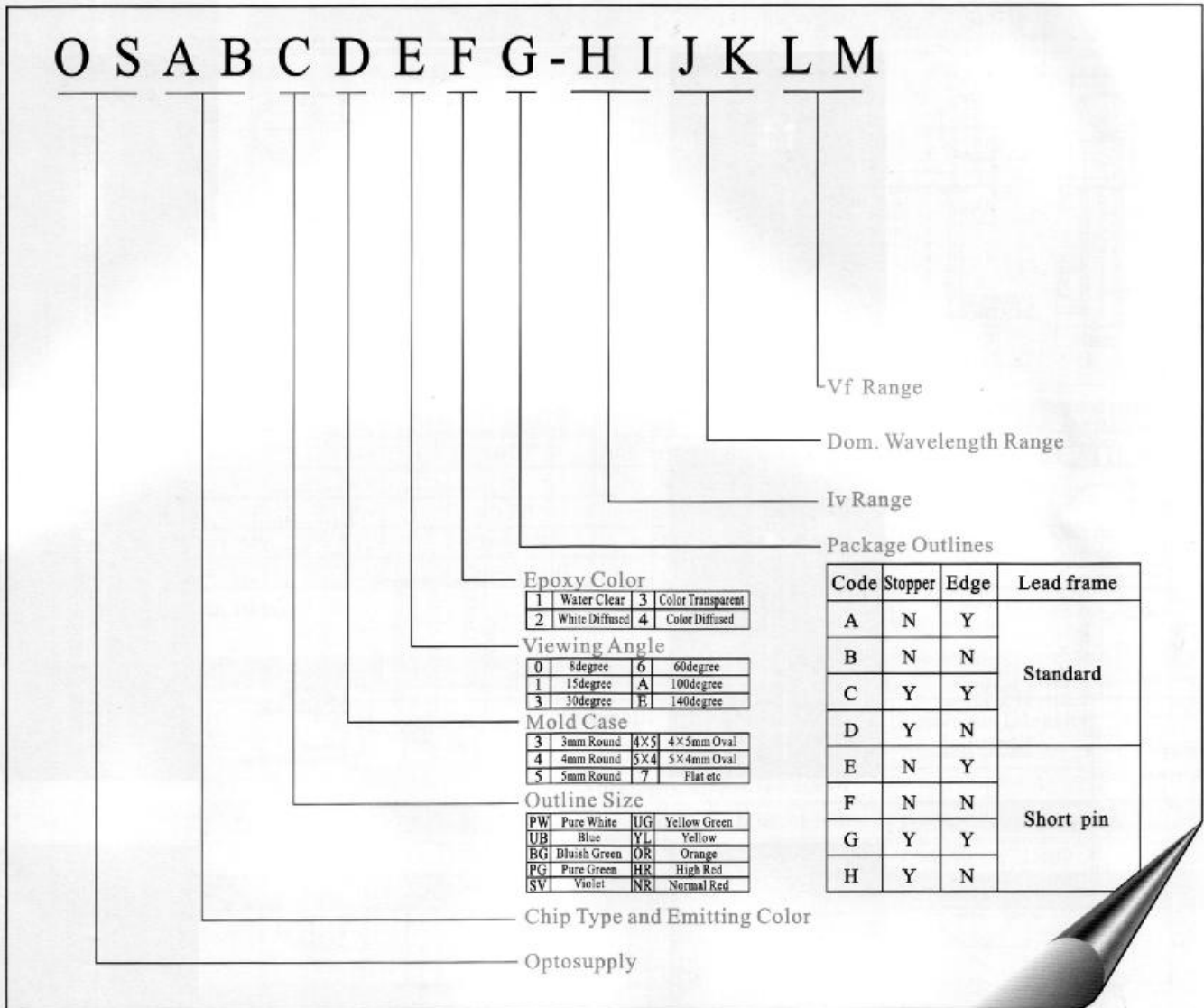
Package

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

LED



Part Number Formation:



Intensity Standard

BIN	Range(mcd)	BIN	Range(mcd)
B	20-30	N	2180-3000
C	30-45	O	3000-4200
D	45-68	P	4200-5800
E	68-100	Q	5800-7000
F	100-150	R	7000-8400
G	150-220	S	8400-10000
H	220-330	T	10000-12000
I	330-500	U	12000-14400
J	500-750	V	14400-18000
K	750-1120	W	18000-22000
L	1120-1560	Y	22000-25000
M	1560-2180	Z	25000-30000

Forward Voltage

BIN	Range(V)	BIN	Range(V)
1	-1.6	A	3.2-3.4
2	1.6-1.8	B	3.4-3.6
3	1.8-2.0	C	3.6-3.8
4	2.0-2.2	D	3.8-4.0
5	2.2-2.4	E	4.0-4.2
6	2.4-2.6	F	4.2-4.4
7	2.6-2.8	G	4.4-4.6
8	2.8-3.0	H	4.6-4.8
9	3.0-3.2	I	4.8-5.0