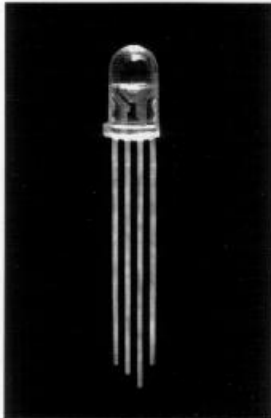


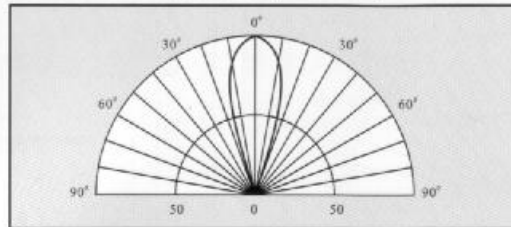
## Φ 5 Full Color Series



### Characters

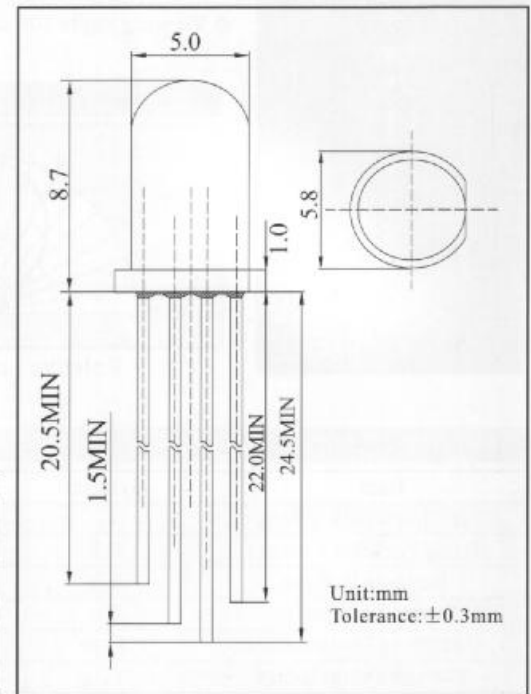
- Viewing angle 30 deg

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	I <sub>F</sub>	30	mA
Pulse Forward Current	I <sub>FP</sub>	100*1	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	120	mW
Operating Temperature	T <sub>opr</sub>	-30~+80	°C
Storage Temperature	T <sub>stg</sub>	-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)		Dominant Wavelength λ <sub>d</sub> (nm)*4		Luminous Intensity I <sub>v</sub> (mcd)*3		Reverse Current I <sub>R</sub> (μA) AT V <sub>R</sub> =5V		
			Working Current: I <sub>F</sub> =20mA								
			Typ.	Max.	Typ.	Max.	Typ.	Max.			
OSTA5131A	Red	Water Clear	2.0	2.4	640	645	2000	3500	<10		
	Blue		3.4	4.0	470	475	2500	4000			
	Pure Green		3.4	4.0	525	530	7000	10000			
OSTA5132A	Red	White Diffused	2.0	2.4	640	645	600	1000	<10		
	Blue		3.4	4.0	470	475	650	1000			
	Pure Green		3.4	4.0	525	530	1600	2000			

\*2 See table for Luminous Intensity Ranks

\*3 Axial Direction (Luminous Intensity)

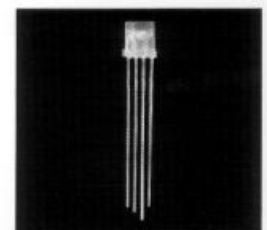
\*4 Devices are sorted by 5nm wavelength ranges

\*5 Other types please refer to photo

### Package

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

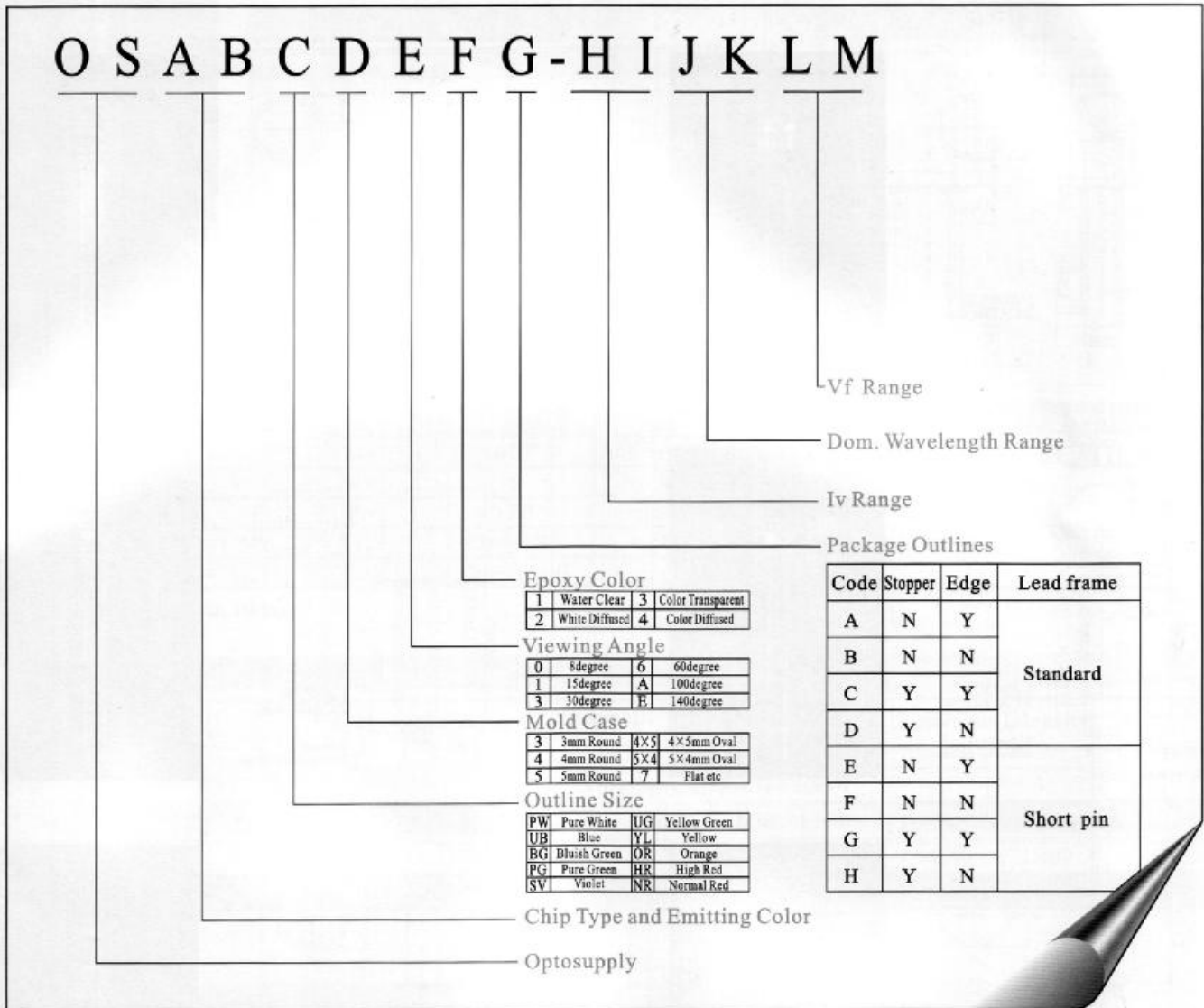
\*5



# 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