



## SILICON LIGHT CHIP

(U.S. Patent applied for)

### Features:

- Highest Brightness LED Chips
- Multi Colors in One Package
- Multi Termination
- Custom Size, Package Available
- Very Low Power Consumption

### Applications:

- Graphic Illumination
- High Density Chip/Light Source
- Automobile Tail Light
- Traffic Light
- Interior Light Application

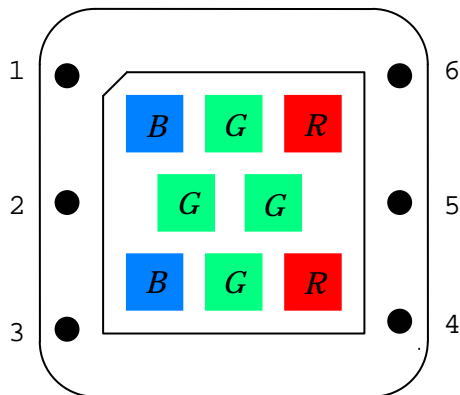
Preliminary

Typical Electrical Characteristics at  $T_A = 25^{\circ}C$ ,  $I_F = 20\text{ mA}$

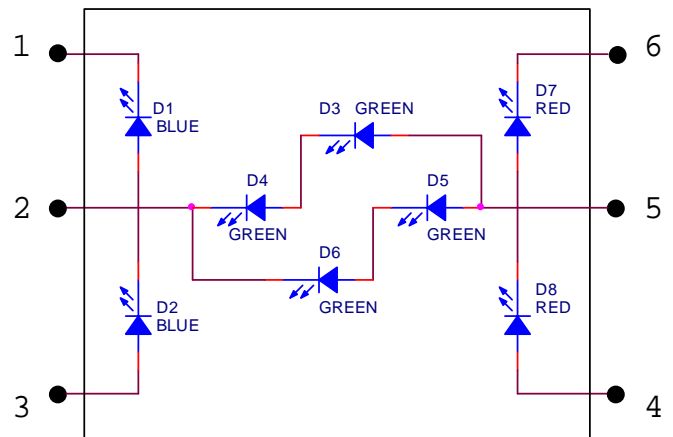
Color	Forward Voltage ( $V_F$ , V)			Reverse Voltage @ 100 $\mu$ A ( $V_R$ , V)	Dominant Wavelength ( $\lambda_D$ , nm)		
	Min	Typ.	Max		Min	Typ.	Max
Red	4	4.5	5.2	12	612	–	625
Blue	–	7.2	8	20	465	470	475
Green	–	7.2	8	20	498	503	508

Maximum Rating at $T_A = 25^{\circ}C$	Red	Blue	Green
DC Forward Current	30 mA	30 mA	60 mA
Peak Forward Current (1/10 Duty Cycle @ 1Khz)	100 mA	100 mA	200 mA
Operating Temp. Range	-20 $^{\circ}C$ to +80 $^{\circ}C$		
Storage Temp. Range	-30 $^{\circ}C$ to +100 $^{\circ}C$		
Electrostatic Discharge (ESD) Threshold	1000V		

Top View



Electrical Equivalent Circuit



Note: Pin 1 is designated with a BLACK mark at the bottom of the package.