

Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Color	Min	Typ.	Max.	Units	Test Conditions
I _v	Luminous Intensity	BL0102-14-34	Super Bright Red Super Bright Green	1500 650	2800 1600	-	mcd	I _F =20mA I _F =40mA
2θ _{1/2}	Viewing Angle		Super Bright Red Super Bright Green	-	40	-	deg	-
V _F	Forward Voltage		Super Bright Red Super Bright Green	-	11 8.8	15 10	V	I _F =20mA I _F =40mA
λ _{peak}	Peak Wavelength		Super Bright Red Super Bright Green	-	660 565		nm	I _F =20mA I _F =40mA
λ _D	Dominant Wavelength		Super Bright Red Super Bright Green	-	640 568		nm	I _F =20mA I _F =40mA
Δλ _{1/2}	Spectral Line Half-width		Super Bright Red Super Bright Green	-	20 30		nm	I _F =20mA I _F =40mA
I _R	Reverse Current		All		-	30	uA	V _R = 5V

Absolute Maximum Ratings at T_A=25°C

Parameter	Type	Units
Power dissipation	860	mW
DC Forward Current	80	mA
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	