

Electrical Optical Characteristics at Ta = 25 C°

Parameter	Symbol	Emitting Color	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Iv	Red	300	600		mcd	If = 20mA Note 1
		True Green	300	600			
		Blue	63	140			
Viewing Angle	2θ½	Red		85		Deg	Note 2
		True Green		85			
		Blue		85			
Peak Emission Wavelength	λp	Red		635		nm	Measurement @ Peak
		True Green		520			
		Blue		468			
Dominant Wavelength	λd	Red		625		nm	Note 3
		True Green		525			
		Blue		470			
Spectral Line Half-Width	Δλ	Red		20		nm	
		True Green		40			
		Blue		30			
Forward Voltage	VF	Red	1,7	2.05	2,5	V	If=20mA
		True Green	2,8	3.4	4,0		
		Blue	2,8	3.3	4,0		
Reverse Current	IR	Red			50	μA	VR=5V
		True Green					
		Blue					

Notes:

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. θ½ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3. The dominant wavelength (λd) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the colour of the device.
4. Forward voltage measurement allowance is +- 0.1V.
5. Luminous Intensity Measurement allowance is +- 10%.