



Vollong Electronics Co., Limited

Part Number	Color	Test Forward Current(mA)	Power Dissipation(W)	Color Temperature(K)	Dominant Wavelength(nm)	Peak Wavelength(nm)	Forward Voltage(V)	LuminousFlux(lm)	
VL-H01RGB00301	Red	400	0.80		620	630	2.00	40	MIN
					625	635	2.20	50	AVG
					630	640	2.60	60	MAX
	Blue	350	1.10		520	515	3.00	60	MIN
					525	520	3.30	70	AVG
					530	525	3.80	80	MAX
	Green	350	1.10		460	458	3.00	15	MIN
					465	462	3.30	20	AVG
					470	468	3.80	25	MAX

Characteristics Parameter At Ta=25℃

Parameter	Red /Yellow	Blue/Green
Viewing Angle (°)	120	120
Forward Current (mA)	400	350
Peak Pulsed Forward Current (mA) 1/10s	800	800
Color Rendering Index (Ra)		
Reverse Voltage (V)	≥5	≥5
Reverse Current (uA)	≤10	≤10
ESD Sensitivity (V)	3000	2500
Storage Temperature (℃)	-40℃ to + 100℃	-40℃ to + 100℃
Operating Temperature (℃)	-35℃ to + 50℃	-35℃ to + 50℃
Lead Soldering Temperature (℃)	300 for 3.5 Seconds	300 for 3.5 Seconds

Part Number	Color	Test Forward Current(mA)	Power Dissipation(W)	Color Temperature(K)	Dominant Wavelength(nm)	Peak Wavelength(nm)	Forward Voltage(V)	LuminousFlux(lm)	
VL-H01RGB00302	Red	400	0.90		620	630	2.20	45	MIN
					625	635	2.40	55	AVG
					630	640	2.80	65	MAX
	Blue	350	1.20		520	515	3.00	50	MIN
					525	520	3.30	60	AVG
					530	525	3.80	80	MAX
	Green	350	1.20		460	458	3.00	15	MIN
					465	463	3.30	20	AVG
					470	468	3.80	30	MAX

Characteristics Parameter At Ta=25℃

Parameter	Red	Blue/Green
Viewing Angle (°)	120	120
Forward Current (mA)	400	350
Peak Pulsed Forward Current (mA) 1/10s	800	800
Color Rendering Index (Ra)		
Reverse Voltage (V)	≥5	≥5
Reverse Current (uA)	≤10	≤10
ESD Sensitivity (V)	3000	2500
Storage Temperature (℃)	-40℃ to + 100℃	-40℃ to + 100℃
Operating Temperature (℃)	-35℃ to + 50℃	-35℃ to + 50℃
Lead Soldering Temperature (℃)	300 for 3.5 Seconds	300 for 3.5 Seconds