Vollong Electronics Co.,Limited

Part Number	Color	Test Forward Current(mA)	Power Dissipation(W)	Color Temperture((K)	Dominant Wavelength(nm)	Peak Wavelength(nm)	Forward Voltage(V)	LuminousFlux(lm)	
VL-H01R620003	Red	800	2.00		620	630	2.00	60	MIN
					625	635	2.45	80	AVG
					630	640	2.90	100	MAX
VL-H01Y590003	Yellow	800	2.00		587	590	2.00	60	MIN
					590	595	2.45	80	AVG
					593	600	2.90	100	MAX
VL-H01B460003	Blue	750	3.00		460	458	3.30	30	MIN
					465	463	3.60	50	AVG
					470	472	4.20	60	MAX
VL-H01G5250003	Green	750	3.00		515	512	3.30	100	MIN
					525	518	3.60	120	AVG
					530	528	4.20	140	MAX

Characteristics Parameter At Ta=25℃

Parameter	Red /Yellow	Blue/Green
Viewing Angle (。)	120	120
Forward Current (mA)	800	750
Peak Pulsed Forward Current (mA) 1/10s	1500	1500
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 Temperture((K)	Dominant Wavelength(nm)	Peak Wavelength(nm)	Forward Voltage(V)	LuminousFlux(lm)	
VL-H01W60003140	White	750	2.8	5000	490	450	3.30	130	MIN
				6000			3.60	140	AVG
				7000			4.00	150	MAX
VL-H01W60003160	White	750	2.8	5000	490	450	3.30	150	MIN
				6000			3.60	160	AVG
				7000			4.00	165	MAX
VL-H01W60003190	White	750	2.8	5000	490	450	3.30	180	MIN
				6000			3.60	190	AVG
				7000			4.00	200	MAX
VL-H01W60003210	White	750	2.8	5000	490	450	3.30	200	MIN
				6000			3.60	210	AVG
				7000			4.00	220	MAX
VL-H01W60003230	White	750	2.8	5000	490	450	3.30	220	MIN
				6000			3.60	230	AVG
				7000			4.00	240	MAX
VL-H01WW30003120	Warm White	750	2.8	2700	580	586	3.30	110	MIN
				3000			3.60	120	AVG
				3300			4.00	130	MAX
VL-H01WW30003140	Warm White	750	2.8	2700	580	586	3.30	130	MIN
				3000			3.60	140	AVG
				3300			4.00	150	MAX
VL-H01WW30003160	Warm White	750	2.8	2700	580	586	3.30	150	MIN
				3000			3.60	160	AVG
				3300			4.00	170	MAX
VL-H01WW30003180	Warm White	750	2.8	2700	580	586	3.30	170	MIN
				3000			3.60	180	AVG
				3300			4.00	190	MAX
VL-H01WW30003200	Warm White	750	2.8	2700	580	586	3.30	190	MIN
				3000			3.60	200	AVG
				3300			4.00	210	MAX

Characteristics Parameter At Ta=25℃

Parameter	White
Viewing Angle (。)	120
Forward Current (mA)	750
Peak Pulsed Forward Current (mA) 1/10s	1500
Color Rendering Index (Ra)	≥60(warmwhite) ≥70(white)
Reverse Voltage (V)	≥5
Reverse Current (uA)	≤10
ESD Sensitivity (V)	2500
Storage Temperature (℃)	-40℃ to + 100℃
Operating Temperature (℃)	-35℃ to + 50℃
Lead Soldering Temperature (℃)	300 for 3.5 Seconds