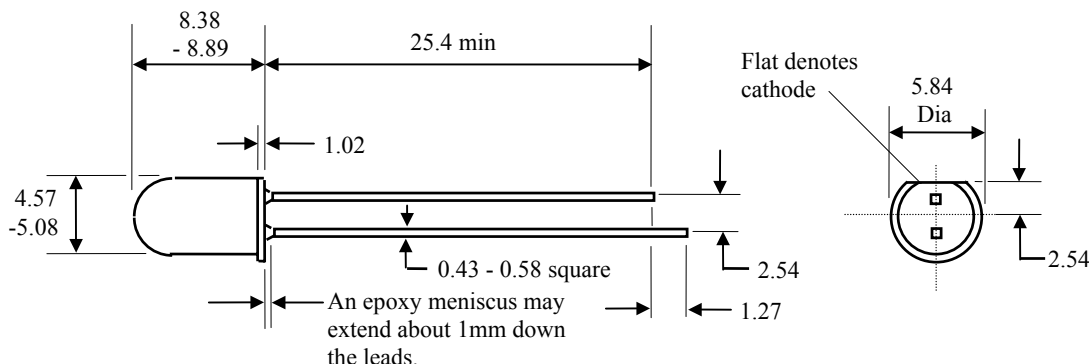


<b>V645**Series LEDs</b>	Sheet 1 of 1
--------------------------	--------------



Tolerance  $\pm 0.25$  unless otherwise specified  
All dimensions in mm

Lead spacing is measured where leads emerge from package  
Drawing not to scale

Part Number	Source Wavelength and Colour		Lens Type		Luminous Intensity (mcd at 20mA)		Viewing Angle	Notes
					min	typ		
V64520	562nm	HE Green	Green	Clear	12.0	25.0	35°	1, 2
V64530	562nm	HE Green	Green	Diffused	3.0	20.0	75°	1, 2
V64531	562nm	HE Green	Green	Diffused	7.0	20.0	75°	1, 2

**Absolute Maximum Ratings ( $T_A = 25^{\circ}C$ )**

	<u>HE Green</u>
Power dissipation at 25°C ambient:	120mW
Derate linearly from 25°C:	1.6mW/°C
Storage and operating temperatures:	- 55°C to + 100°C
Lead soldering time at 260°C:	5 sec
Continuous forward current at 25°C:	30mA
Peak forward current (1µs pulse; 0.3% duty cycle):	90mA
Reverse voltage:	5.0V

**Operating Characteristics ( $T_A = 25^{\circ}C$ )**

	<u>HE Green</u>
Forward voltage (typ) ( $I_F = 20mA$ ) ( $V_F$ ):	2.2V
Forward voltage (max) ( $I_F = 20mA$ ) ( $V_F$ ):	3.0V
Reverse voltage (min) ( $I_R = 100\mu A$ ) ( $V_R$ ):	5.0V
Reverse current ( $V_R = 5V$ ) ( $I_R$ ):	100µA
Wavelength at peak emission ( $I_F = 20mA$ ):	562nm
Spectral line half width ( $I_F = 20mA$ ):	30nm
Capacitance (typ)( $V_F = 0V$ ; $f = 1MHz$ ):	20pF

**NOTES:**

1. Approved suppliers: QT Optoelectronics (UK) Ltd.  
Chicago Miniature Lamp
2. Supplier's part number as per above, but with "V" prefix replaced by "MV" (QT) or "CMD" (CML).

**QUALITY STANDARDS:**

Maximum defect levels for Inspection purposes:-  
Non-functioning items:  
0.65% AQL (Critical defects)  
2.5% AQL (Non-critical defects)

ISSUE NO.	ISSUE DATE	TECHNICAL	QUALITY	MATERIALS	SALES	C. NOTE NO.
2	23/10/98					PD011

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [cml manufacturer](#):*

Other Similar products are found below :

[1860623W3A](#) [19010351](#) [19300133](#) [192A0255](#) [19211252](#) [19050253](#) [19241354](#) [195A1350](#) [SK-3-2500](#) [6346002505R](#) [6275AL](#) [19041051](#)  
[19010053](#) [19180351](#) [1862623W3A](#) [19272351](#) [19040351](#) [19051357](#) [19050357](#) [19010350](#) [19000352](#) [T000205](#) [1860325W3D](#) [19000353](#) [SK-](#)  
[2-2500](#) [19410132M](#) [19050257](#) [7632](#) [18600M51](#) [19210363](#) [19272350](#) [1512145UR3](#) [T000015](#) [1927235WA](#) [190403Z2](#) [19211253](#) [19740135](#)  
[192D0000](#) [192D0230](#) [W643](#) [19272352](#) [190A2351](#) [18606232](#) [19TR0I24](#) [1512135UG3](#) [T010309](#) [19031253](#) [1511A45W3D](#) [1505475W3D](#)  
[W1121T](#)