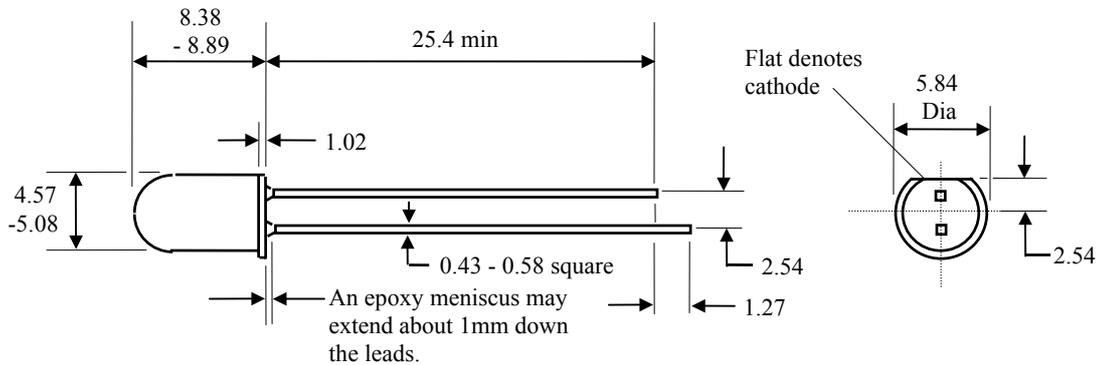


V645**Series LEDs	Sheet 1 of 1
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Tolerance ± 0.25 unless otherwise specified
All dimensions in mm

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