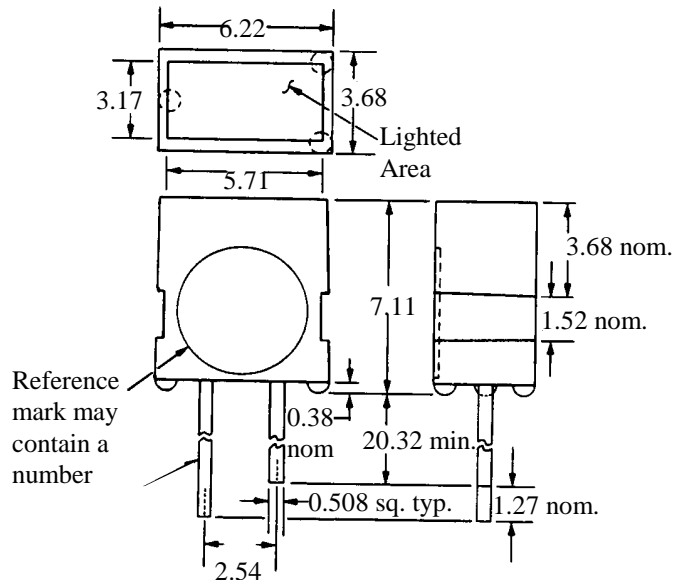


V5*124A Series Rectangular LEDs

Sheet 1 of 1



Lead spacing is measured where leads emerge from package

Tolerance ± 0.2 unless otherwise specified
All dimensions in mm

Drawing not to scale

Part Number	Source Wavelength and Colour		Lens Type		Luminous Intensity (mcd at 20mA)		Viewing Angle $2\theta_{1/2}$	Notes
					min	typ		
V53124A	585nm	Yellow	Yellow	Diffused	1.0	6.0	100°	1,2
V54124A	562nm	Green	Green	Diffused	1.0	6.0	100°	1,2
V57124A	635nm	HE Red	Red	Diffused	1.0	6.0	100°	1,2

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

	<u>Yellow</u>	<u>Green</u>	<u>HE Red</u>
Power dissipation:	120mW	120mW	120mW
Continuous forward current:	30mA	30mA	30mA
Peak forward current ($1\mu\text{s}$, 0.3% DF):	90mA	90mA	90mA
Storage and operating temperatures:	-55 to $+100^{\circ}\text{C}$	-55 to $+100^{\circ}\text{C}$	-55 to $+100^{\circ}\text{C}$
Lead soldering time at 260°C (1.6mm below package base):	5 sec	5 sec	5 sec

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

	<u>Yellow</u>	<u>Green</u>	<u>HE Red</u>
Peak wavelength ($I_F = 20\text{mA}$) (λ_{peak}):	585nm	562nm	635nm
Spectral line half width ($I_F = 20\text{mA}$) ($\Delta\lambda_{1/2}$):	45nm	30nm	45nm
Capacitance (typ) ($V_F = 0\text{V}$; $f = 1\text{MHz}$) (C):	45pF	20pF	45pF
Reverse current (max) ($V_R = 5\text{V}$) (I_R):	100 μA	100 μA	100 μA

NOTES:

- Approved supplier: QT Optoelectronics (UK) Ltd.
- Supplier's part number as per above, but with "V" prefix replaced by "MV".

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

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