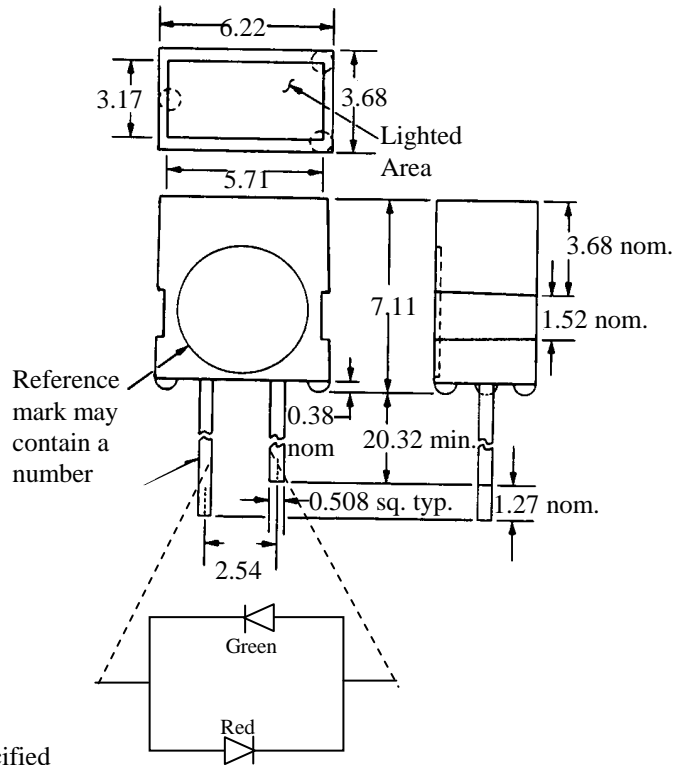


PRODUCT DATA SHEET

V49124A Green/Red Rectangular LED

Sheet 1 of 1



Lead spacing is measured where leads emerge from package

Tolerance ± 0.2 unless otherwise specified
All dimensions in mm

Connection Diagram

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		
V49124A	562nm Green	White Diffused	1.0	6.0	100°	1, 2
	660nm Red		1.0	6.0		

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

	Green	Red
Power dissipation:	120mW	120mW
Continuous forward current:	30mA	30mA
Peak forward current (1 μ s, 0.3% DF):	90mA	90mA
Storage and operating temperatures:	-55 to +100°C	-55 to +100°C
Lead soldering time at 260°C (1.6mm below package base):	5 sec	5 sec

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

	Green	Red
Peak wavelength ($I_F = 20\text{mA}$)(λ_{peak}):	562nm	660nm
Spectral line half width ($I_F = 20\text{mA}$)($\Delta\lambda_{1/2}$):	30nm	45nm
Capacitance (typ)($V_F = 0\text{V}$; $f = 1\text{MHz}$)(C):	20pF	30pF
Reverse current (max) ($V_R = 5\text{V}$) (I_R):	100 μ A	100 μ A

NOTES:

- Approved supplier: QT Optoelectronics (UK) Ltd.
- Supplier's part number MV49124A.

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