

VL-934ID-5V		Date: 23/10/96	Issue 1
Resistored LED		No.:	Sheet 1 of 1

All dimensions in mm

Drawing not to scale

Part Number	Source Wavelength and Colour	Lens Type	Luminous Intensity mcd at 5V min max	Viewing Angle
VL-934ID-5V	625nm Red	Red Diffused	8 50	60°

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

Reverse Voltage (V_R)	5V
Forward Current (Peak)	150mA
(1/10 Duty Cycle; 0.1ms pulse width)	
Derating linear from 50°C	0.7mA
Power Dissipation (P_T)	310mW
Operating Temperature (T_A)	-40° to + 85°C
Storage Temperature (T_{STG})	-40° to + 85°C

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

Forward Current (typ) (I_F)	12mA
Reverse Current ($V_R = 5\text{V}$) (I_R)	10 μA
Wavelength at Peak Emission ($I_F = 20\text{mA}$)	625nm
Spectral line half width ($I_F = 20\text{mA}$)	45nm