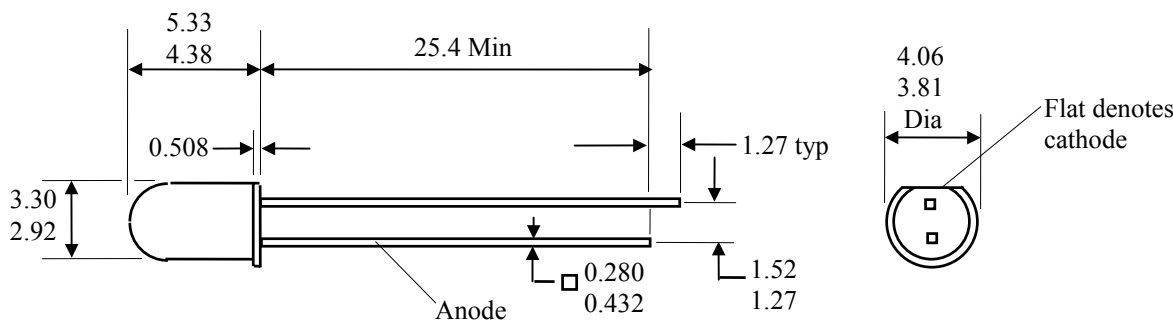


V5*7*C Series LEDs	Sheet 1 of 1
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Lead spacing is measured where leads emerge from package
All dimensions in mm

Drawing not to scale

Part Number	Source Wavelength and Colour		Lens Type		Luminous Intensity (mcd at 20mA)		Viewing Angle 2θ _{1/2}	Notes
					min	max		
V5075C	660nm	Std Red	Red	Diffused	0.6	1.5	90°	1, 2
V5374C	585nm	Yellow	Yellow	Diffused	1.5	9.0	90°	1, 2
V5474C	565nm	Green	Green	Diffused	1.2	9.0	90°	1, 2
V5774C	635nm	HE Red	Red	Diffused	1.5	9.0	90°	1, 2

Absolute Maximum Ratings (T_A = 25° C)

	<u>Std Red</u>	<u>Yellow</u>	<u>Green</u>	<u>HE Red</u>
Power dissipation:	105mW	105mW	105mW	105mW
Continuous forward current:	35mA	35mA	35mA	35mA
Peak forward current (1µs pulse; 0.3% duty cycle):	1.0A	1.0A	90mA	1.0A
Reverse voltage:	5.0V	5.0V	5.0V	5.0V
Storage and operating temperatures:	-55 to +100° C	-55 to +100° C	-55 to +100° C	-55 to +100° C
Lead soldering time at 260° C (1.6mm below package base):	5 sec	5 sec	5 sec	5 sec

Operating Characteristics (T_A = 25° C)

	<u>Std Red</u>	<u>Yellow</u>	<u>Green</u>	<u>HE Red</u>
Peak wavelength (I _F = 20mA)(λ _{peak}):	660nm	585nm	565nm	635nm
Spectral line half width (I _F = 20mA)(Δλ _{1/2}):	20nm	35nm	35nm	45nm
Capacitance (typ)(V _F = 0V; f = 1MHz)(C):	23pF	45pF	20pF	45pF
Forward voltage (typ) (I _F = 20mA) (V _F):	1.6V	2.1V	2.2V	2.0V
Forward voltage (max) (I _F = 20mA) (V _F):	2.0V	3.0V	3.0V	3.0V
Reverse current (V _R = 5V) (I _R):	100µA	100µA	100µA	100µA

NOTES:

1. Approved supplier: QT Optoelectronics (UK) Ltd.
2. 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