

PURE GREEN SOFT ORANGE

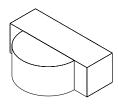
QTLP610C-5 QTLP610C-8

FEATURES

- Ultra-miniature
- Wide viewing angle of 140°
- Water clear optics
- Available in 0.315" (8mm) width tape on

7" (178mm) diameter

Moisture-proof packaging



DESCRIPTION

These right angle surface mount lamps emit light in the lateral direction and are particularly suitable for edge lighting LCDs, edge-cards, as well as other standard printed circuit board applications.

ABSOLUTE MAXIMUM RATINGS (T _A = 25°C unless otherwise specified)				
Parameter	Pure Green QTLP610C-5	Soft Orange QTLP610C-8	Units	
Continuous Forward Current - I _F	30	30	mA	
Peak Forward Current - I _F (f = 1.0 KHz, Duty Factor = 1/10)	160	160	mA	
Reverse Voltage - $V_R (I_R = 10 \ \mu A)$	5	5	V	
Power Dissipation - P _D	100	100	mW	
Operating Temperature - T _{OPR}	-40 to +100		°C	
Storage Temperature - T _{STG}	-40 to +100		°C	
Lead Soldering Time - T _{SOL}				
Wave	260 for 5 sec		°C	
Reflow	260 fo			

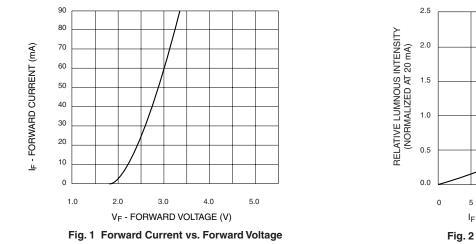


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QTLP610C-5 QTLP610C-8

Part Number	Pure Green QTLP610C-5	Soft Orange QTLP610C-8	Condition
Minimum	2.0	3.0	
Typical	4.0	6.0	
Forward Voltage (V)			I _F = 20 mA
Maximum	2.8	2.8	
Typical	2.1	2.1	
Peak Wavelength (nm)	555	610	I _F = 20 mA
Spectral Line Half Width (nm)	30	40	I _F = 20 mA
Viewing Angle (°)	140	140	I _F = 20 mA

TYPICAL PERFORMANCE CURVES



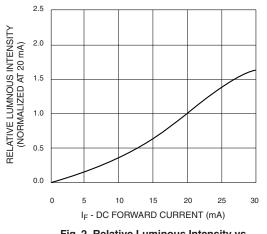
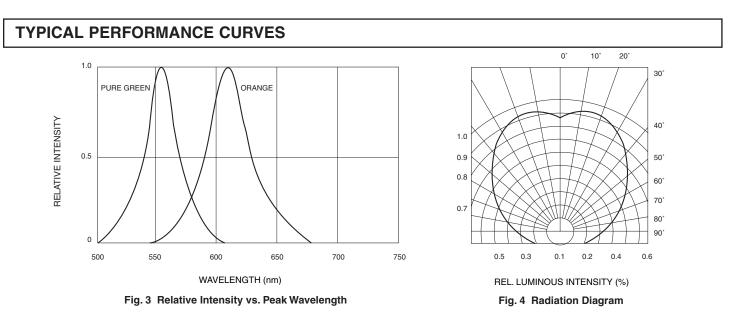


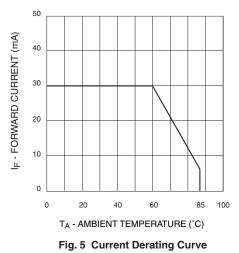
Fig. 2 Relative Luminous Intensity vs. DC Forward Current



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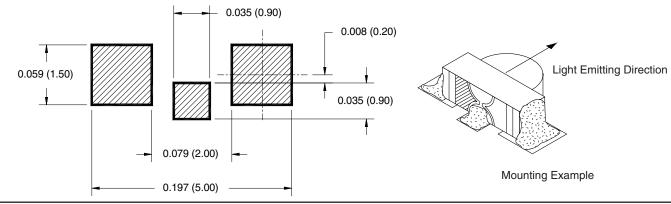




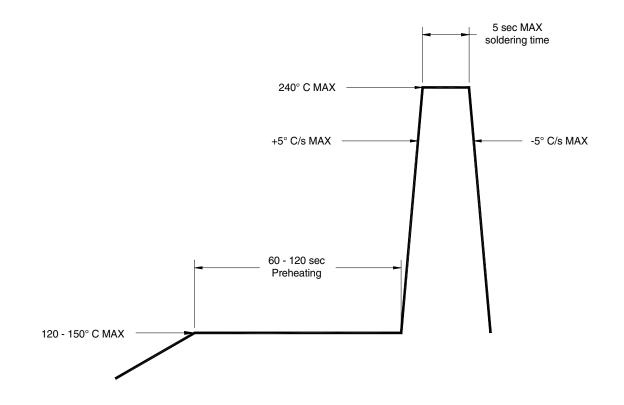
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RECOMMENDED PRINTED CIRCUIT BOARD PATTERN



RECOMMENDED IR REFLOW SOLDERING PROFILE





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