imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



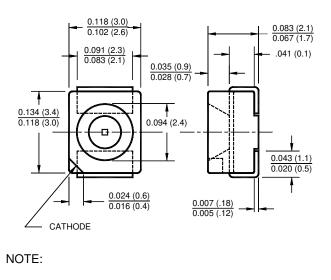
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PACKAGE DIMENSIONS



Dimensions for all drawings are in inches (mm).

ORANGE PURE GREEN

QTLP670C-8 QTLP670C-5

FEATURES

Non-diffused package excellent for

back-lighting and coupling to light pipe

- Low package profile
- Low power dissipation
- Wide viewing angle of 120°

DESCRIPTION

This surface mount lamp is designed with a flat top and sides for automatic placement equipment. It is compatible with convective IR and vapor phase reflow soldering and conductive epoxy attachment process. The package size and configuration conform to EIA-535 BAAC standard specification for case size 3528 tantalum capacitor.

ABSOLUTE MAXIMUM RATINGS (T _A = 25°C unless otherwise specified)				
Parameter	Symbol	Rating	Unit	
Operating Temperature	T _{OPR}	-40 to +85	°C	
Storage Temperature	T _{STG}	-40 to +100	°C	
Lead Soldering Time - Reflow	T _{SOL}	240 for 5 sec	°C	
Continuous Forward Current	١ _F	30	mA	
Peak Forward Current	-	160	mA	
(f = 1.0 KHz, Duty Factor = 1/10)	'F			
Reverse Voltage	V _R (I _R = 10 μA)	5	V	
Power Dissipation	PD	100	mW	

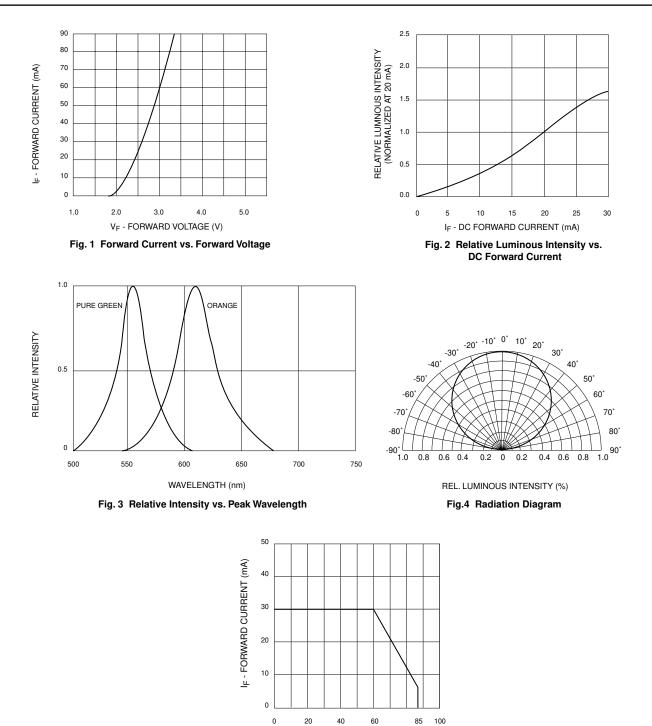
ELECTRICAL / OPTICAL CHARACTERISTICS (T _A =25°C)				
Part Number	QTLP670C-8 ORANGE	QTLP670C-5 PURE GREEN	Condition	
Luminous Intensity (mcd)			I _F = 20 mA	
Minimum	9	4		
Typical	15	6		
Forward Voltage (V)			I _F = 20 mA	
Maximum	2.8	2.8		
Typical	2.0	2.0		
Peak Wavelength (nm)	610	555	I _F = 20 mA	
Spectral Line Half Width (nm)	40	30	I _F = 20 mA	
Viewing Angle (°)	120	120	I _F = 20 mA	



ORANGE PURE GREEN

QTLP670C-8 QTLP670C-5

TYPICAL PERFORMANCE CURVES



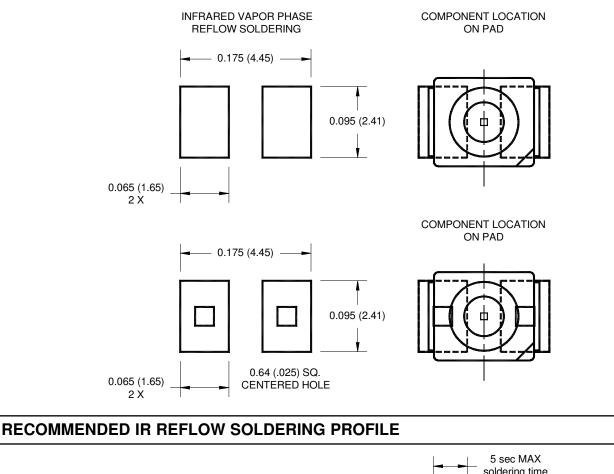
T_A - AMBIENT TEMPERATURE (°C) Fig. 5 Current Derating Curve

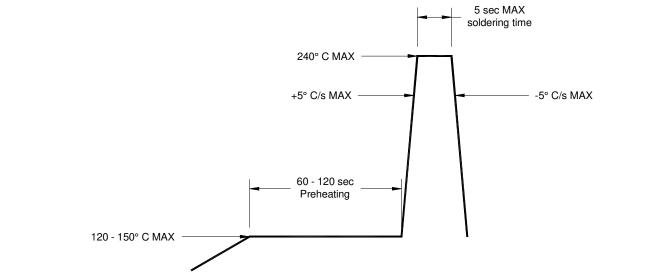


ORANGE PURE GREEN

QTLP670C-8 QTLP670C-5

RECOMMENDED PRINTED CIRCUIT BOARD PATTERN







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