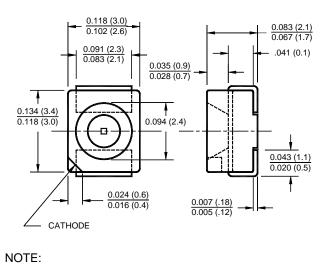


PACKAGE DIMENSIONS



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	I _F	30	mA
Peak Forward Current	١ _F	160	mA
(f = 1.0 KHz, Duty Factor = 1/10)			
Reverse Voltage	V _R (I _R = 10 μA)	5	V
Power Dissipation	PD	100	mW

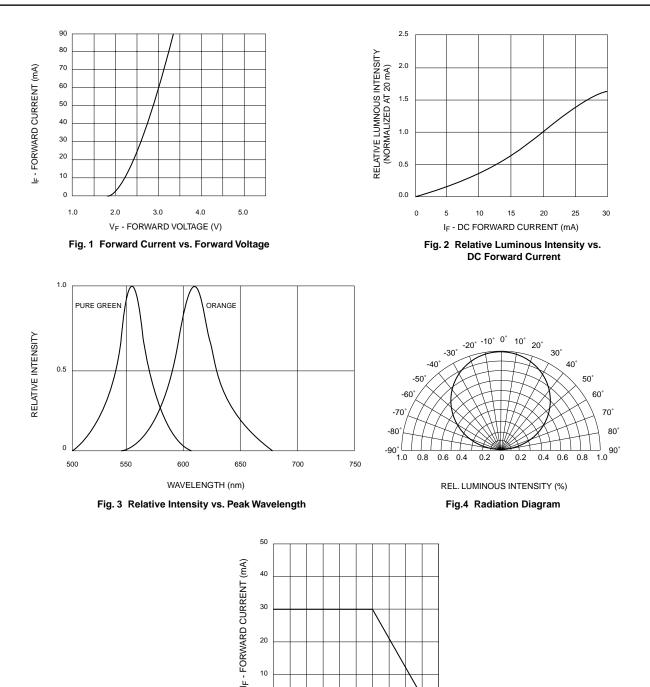
Part Number	QTLP670C-8	QTLP670C-5	Condition
	ORANGE	PURE GREEN	Condition
Luminous Intensity (mcd)			I _F = 20 mA
Minimum	9	4	
Typical	15	6	
Forward Voltage (V)			I _F = 20 mA
Maximum	2.8	2.8	
Typical	2.0	2.0	
Peak Wavelength (nm)	610	555	I _F = 20 mA
Spectral Line Half Width (nm)	40	30	I _F = 20 mA
Viewing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



ORANGE PURE GREEN

QTLP670C-8 QTLP670C-5

TYPICAL PERFORMANCE CURVES



0

0

20

40

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

60

85

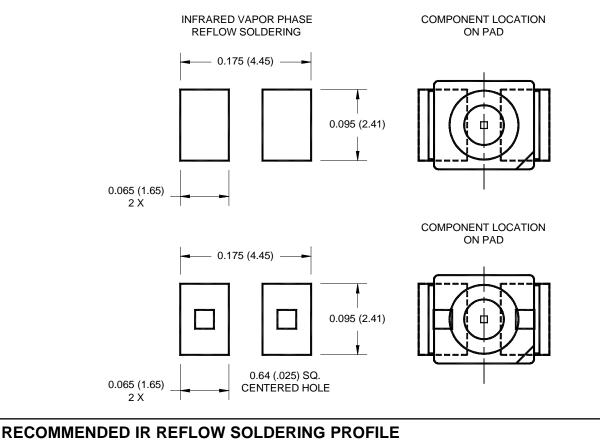
100

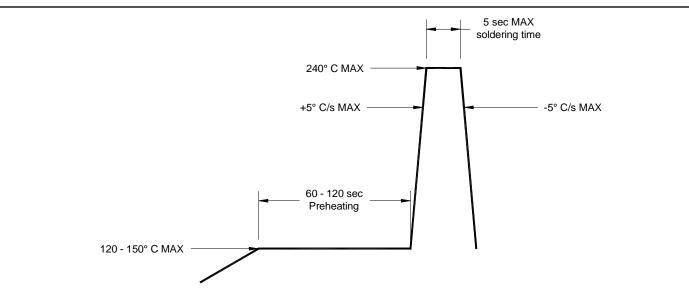


ORANGE PURE GREEN

QTLP670C-8 QTLP670C-5

RECOMMENDED PRINTED CIRCUIT BOARD PATTERN







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