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ETG-5UC630-15

DATA SHEET

QC:

ENG:

Prepared By:



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Absolute Maximum Ratings at Ta=25?

Parameter	MAX.	Unit
Power Dissipation	75	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50?	0.4	mA/?
Reverse Voltage	5	V
Operating Temperature Range	-40? to +100?	
Storage Temperature Range	-40? to +100?	
Lead Soldering Temperature [4mm(.157") From Body]	260? for 5 Seconds	

Electrical Optical Characteristics at Ta=25?

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v	3500	5500	8400	mcd	I _f =20mA (Note 1)
Viewing Angle	2? 1/2	10	15	20	Deg	(Note 2)
Peak Emission Wavelength	? p	630	635	640	nm	I _f =20mA
Dominant Wavelength	? d	625	630	635	nm	I _f =20mA (Note 3)
Spectral Line Half-Width	? ?	15	20	25	nm	I _f =20mA
Forward Voltage	V _f	1.9	2.15	2.4	V	I _f =20mA
Reverse Current	I _R	---	---	100	μA	V _R =5V

Notes:

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.

? 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.