



ETG Inc.

8599 Venice Blvd. Unit K

Phone: + 1 (310) 202-6400

<http://www.etgtech.com/>

Los Angeles, Ca 90034, U. S. A.

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ETG-5UC605-15

DATA SHEET

QC:

ENG:

Prepared By:



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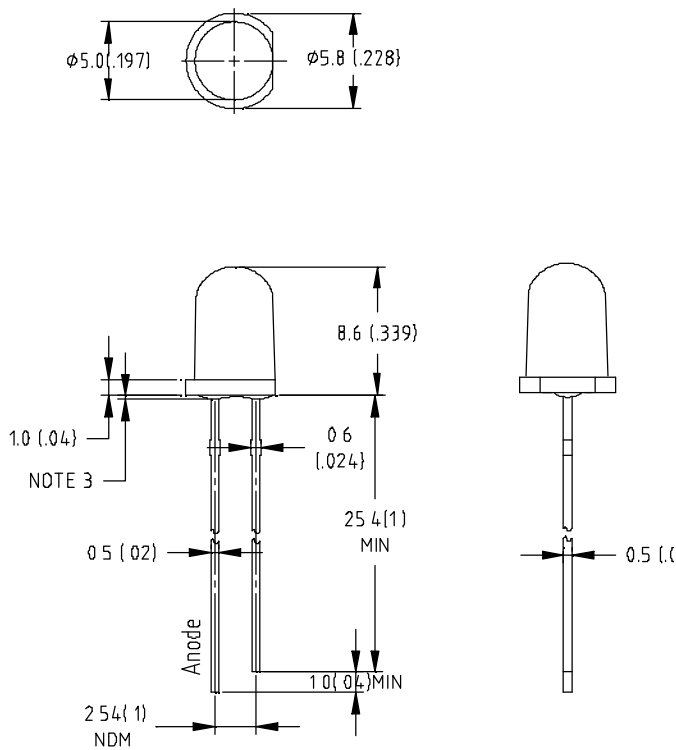
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Features:

- ◆ High intensity
- ◆ Standard T-1 3/4 diameter package
- ◆ General purpose leads
- ◆ Reliable and rugged

Package Dimensions:



Part NO.	Chip Material	Lens Color	Source Color
ETG-5UC605-15	AlGaInP	Water Clear	Super Bright Orange

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25 mm (.010") unless otherwise noted.
3. Protruded resin under flange is 1.0mm(.04") max.
4. Lead spacing is measured where the leads emerge from the package.



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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	6000	10000	mcd	I _f =20mA (Note 1)
Viewing Angle	2? 1/2	10	15	20	Deg	(Note 2)
Peak Emission Wavelength	? p	630	610	640	nm	I _f =20mA
Dominant Wavelength	? d		605		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.