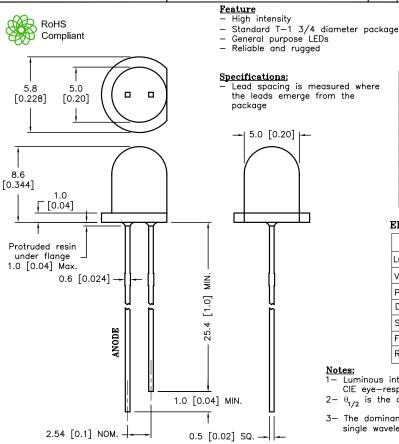


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SPC-F005.DWG

N.	REVISIONS			DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398					
·	DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
	1908	Α	RELEASED	EO	6/7/06	YA	6/19/06	НО	6/19/06



Absolute Maximum Rating at Ta=25°C

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MAX.	Unit					
80	mW					
100	mA					
20	mA					
0.4	mA/°C					
5	V					
-25°C to +80°C						
-40°C to +100°C						
260°C fo	r 5 seconds					
	80 100 20 0.4 5 -25°C to					

Yellow

Source Color Chip Material

AllnGaP/GaP

Lens Color

REV

Α

Water Clear

Electrical Optical Characteristics at Ta=25°C

Parameters	Symbol	Min.	Тур.	Мах	Unit	Test Condition
Luminous Intensity	Ιν		2500		mcd	I _f =20mA (Note 1)
Viewing Angle	2θ _{1/2}		25		Deg	(Note 2)
Peak Emission Wavelength	λр		592		nm	I _f =20mA
Dominant Wavelength	λd		588		nm	I _f =20mA (Note 3)
Spectral Line Half-Width	Δλ		25		nm	I _f =20mA
Forward Voltage	V_{f}		2.0	2.5	٧	I _f =20mA
Reverse Current	I_{R}			100	μΑ	V _R =5V

Notes:

- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye—response curve.
- $2-\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity
- 3- The dominant wavelength (λd) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

DISCLAIMER:
ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED
HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE
BELIEVE TO BE ACCURATE AND RELIABLE. SINCE
CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE
USER SHALL DETERMINE THE SUITABLITY OF THE PRODUCT
FOR THE INTENDED USE AND ASSUME ALL RISK AND
LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

TOLERANCES: UNLESS OTHERWISE SPECIFIED, ±0.25 [±0.010]

DRAWN BY: DATE: EKLAS ODISH 6/7/06 CHECKED BY: DATE: YILMAZ AKYONDEM 6/19/06 APPROVED BY: DATE: HISHAM ODISH 6/19/06

DRAWING TITLE: Super Bright LED, Round Lens, 5mm (T1 3/4), Yellow Emitting Color ELECTRONIC FILE DWG. NO. SIZE MC20372 87K7011.DWG U.O.M.: mm [INCHES] SCALE: NTS SHEET: 1 OF 2

