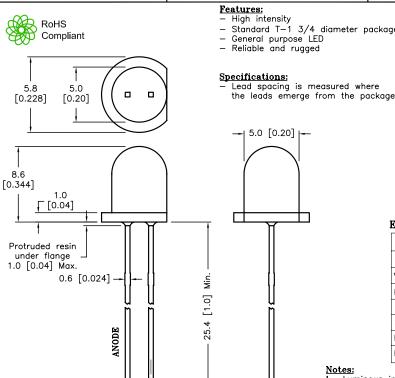


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SPC-F005.DWG

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



- Standard T-1 3/4 diameter package
- General purpose LED
- Reliable and rugged

## Absolute Maximum Rating at Ta=25°C

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

Yellow

Source Color Chip Material

AlInGaP/GaP

## Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol	Min.	Тур.	Max	Unit	Test Condition
Luminous Intensity	Ιν		3000		mcd	I <sub>f</sub> =20mA (Note 1)
Viewing Angle	2θ <sub>1/2</sub>		20		Deg	(Note 2)
Peak Emission Wavelength	λр		592		nm	I <sub>f</sub> =20mA
Dominant Wavelength	λd		590		nm	$I_f$ =20mA (Note 3)
Spectral Line Half—Width	Δλ		25		nm	I <sub>f</sub> =20mA
Forward Voltage	$V_f$		2.0	2.5	٧	I <sub>f</sub> =20mA
Reverse Current	$\mathbf{I}_{R}$			100	μΑ	V <sub>R</sub> =5V

- 1— 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 ( $\lambda d$ ) 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 SUITABILITY OF THE PRODUCT
FOR THE INTENDED USE AND ASSUME ALL RISK AND
LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

2.54 [0.1] Nom. 4

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

1.0 [0.04] Min.

0.5 [0.02] SQ. -

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: SIZF. SCALE:

Super Bright LED, Round Lens, 5mm (T1 3/4), Yellow Emitting Color DWG. NO. MV8305

NTS

ELECTRONIC FILE 87K7120.DWG U.O.M.: mm [INCHES]

SHEET: 1 OF 2

RFV

Α

Lens Color

Water Clear

