

Protruded resin under flange 1.0 [0.04] Max.

0.6 [0.024]

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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

Source Color Chip Material

AlGaAs

Lens Color

Yellow Diffused

REV

SPC-F005.DWG

RoHS Compliant	 High intensity Standard T-1 diameter flat top General purpose LED Reliable and rugged
	Specifications: — Lead spacing is measured where leads emerge from the package
	- 3.9 [0.156] -
	3.0 [0.12]
4.0	
[0.16] 1.0 [0.04]	

Features:

26.0 [1.04] Min.

1.0 [0.04] Min.

0.5 [0.02] SQ. TOLERANCES:

- High intensity
- 1 diameter flat top package

is measured where the

- ose LED
- rugged

Absolute Maximum Rating at Ta=25°C

Parameter	MAX.	Unit
Power Dissipation	80	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	20	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-25°C to	+80°C
Storage Temperature Range	-40°C to	+100°C
Lead Soldering Temperature [4mm (0.157) From Body]	260°C fc	or 5 seconds

Yellow

Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol	Min.	Тур.	Max	Unit	Test Condition
Luminous Intensity	Ι _ν		20		mcd	I _f =20mA (Note 1)
Viewing Angle	2θ _{1/2}		100		Deg	(Note 2)
Peak Emission Wavelength	λр		590		nm	I _f =20mA
Dominant Wavelength	λd		585		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	\mathbf{I}_{R}			100	μΑ	V _R =5V

Notes:

- 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 (λd) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

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2.54 [0.1] Nom. -

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: DWG. NO. SIZE

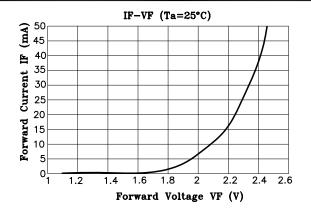
NTS

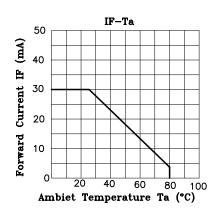
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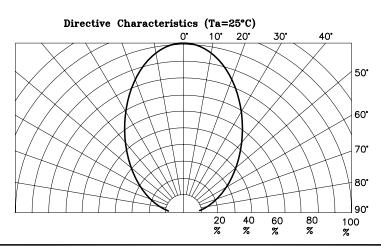
Standard LED, Cylindrical Flat Top Lens, 3mm (T1), Yellow Emitting Color ELECTRONIC FILE

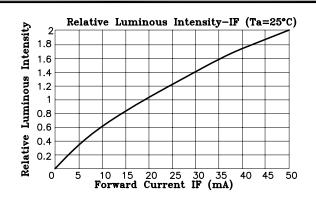
MC20448 87K7074.DWG

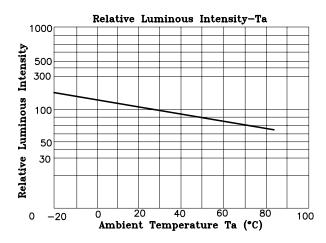
> U.O.M.: mm [INCHES] SHEET: OF 2

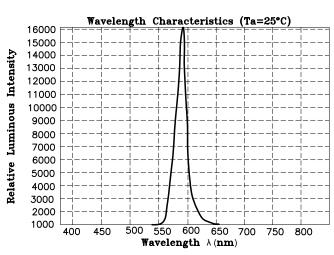












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SIZE DWG. NO. Α

MC20448

ELECTRONIC FILE 87K7074.DWG

REV

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U.O.M.: mm [INCHES]

SHEET: 2 OF 2