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SPC-F005.DWG

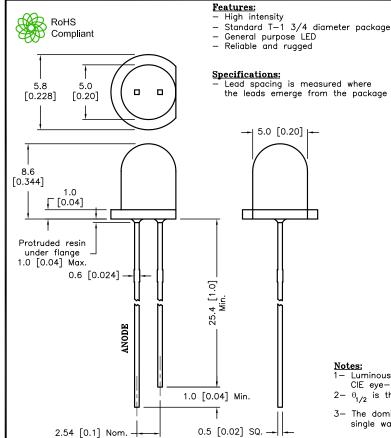
REVISIONS		DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398						
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1908	Α	RELEASED	EO	6/7/06	YA	6/19/06	но	6/19/06

Source Color Chip Material

InGaN/SiC

Lens Color

Water Clear



Absolute Maximum Rating at Ta=25°C

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Parameter	MAX.	Unit
Power Dissipation	76	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	80	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 fo	r 5 seconds

Cyan

Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol	Min.	Тур.	Max	Unit	Test Condition
Luminous Intensity	I _v		2000		mcd	I _f =20mA (Note 1)
Viewing Angle	2θ _{1/2}		30		Deg	(Note 2)
Peak Emission Wavelength	λр		505		nm	I _f =20mA
Dominant Wavelength	λd		509		nm	I_f =20mA (Note 3)
Spectral Line Half-Width	Δλ		20		nm	I_f =20mA
Forward Voltage	V _f		3.5	4.0	>	I _f =20mA
Reverse Current	\mathbf{I}_{R}			50	μΑ	V _R =5V

Notes:

- 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 SUITABILITY OF THE PRODUCT
FOR THE INTENDED USE AND ASSUME ALL RISK AND
LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

UNLESS OTHERWISE SPECIFIED. ±0.25 [±0.010]

TOLERANCES:

DF	DATE:	DRAWN BY:
Su	6/7/06	EKLAS ODISH
SIZ	DATE:	CHECKED BY:
6 A	6/19/06	YILMAZ AKYONDEM
H	DATE:	APPROVED BY:
6 SC	6/19/06	HISHAM ODISH

ŝ		/ING TITLE: er Bright LED, Rou	nd Lens, 5mm (T1	3/4),	Cyan	Emitting	Color
	SIZE	DWG. NO.		ELEC.	TRONIC	FILE	REV
6	Α	MC2	20364	87K7003.DWG			A
6	SCAL	SCALE: NTS U.O.M.: mm [INCHES]]	SHEET	Г: 1 С)F 2

