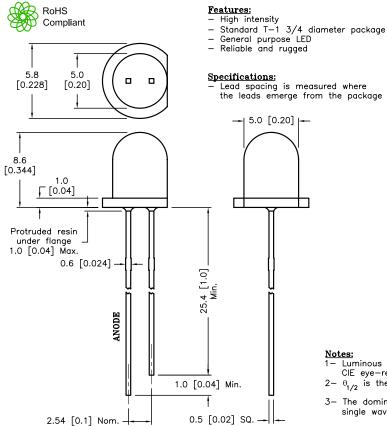


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.	REVISIONS			DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398						
	DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD DATE		APPRVD	DATE	
	1908	Α	RELEASED		6/7/06	YA	6/19/06	но	6/19/06	



Absolute Maximum Rating at Ta=25°C

Indicate Manimum Maring at 14 No C							
Parameter	MAX.	Unit					
Power Dissipation	120	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					

Source Color

Cyan

Chip Material

InGaN/SiC

Lens Color

Water Clear

Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol	Min.	Тур.	Max	Unit	Test Condition
Luminous Intensity	I _v		5500		mcd	I _f =20mA (Note 1)
Viewing Angle	2θ _{1/2}		10		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	٧	I _f =20mA
Reverse Current	I _R			50	μΑ	V _R =5V

Notes:

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

UNLESS OTHERWISE SPECIFIED, ±0.25 [±0.010]

TOLERANCES:

DRAWN BY:	DATE:		ING TITLE:					
EKLAS ODISH	6/7/06	Supe	r Bright LED, Rou	nd Lens, 5mm (T1	3/4),	Cyan Em	nitting (Color
CHECKED BY:	DATE:	SIZE DWG. NO.				ELECTRONIC FILE		
YILMAZ AKYONDEM	6/19/06	l a l	MC20363		87K7002.DWG		Α	
APPROVED BY:	DATE:	┝┷┪			-			
HISHAM ODISH	6/19/06	SCALE	E: NTS	U.O.M.: mm [INCHES]		SHEET:	1 OF	2

