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SPC-F005.DWG

Features:

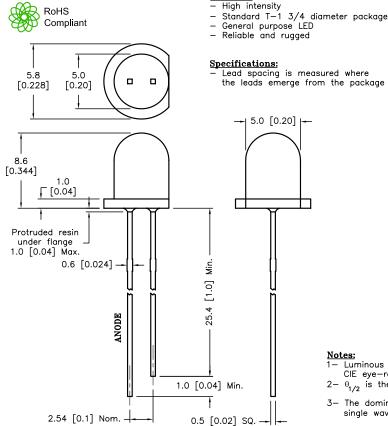
	REVISIONS			DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398						
	DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE	
ı	1908	Α	RELEASED	EO	6/7/06	YA	6/19/06	НО	6/19/06	

Source Color Chip Material

InGaN

Lens Color

Water Clear



Absolute Maximum Rating at Ta=25°C

Parameter	MAX.	Unit
Power Dissipation	120	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	٧
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

Green

Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol	Min.	Тур.	Max	Unit	Test Condition
Luminous Intensity	Ι _ν		5500		mcd	I _f =20mA (Note 1)
Viewing Angle	2θ _{1/2}		10		Deg	(Note 2)
Peak Emission Wavelength	λр		525		nm	I _f =20mA
Dominant Wavelength	λd		527		nm	I _f =20mA (Note 3)
Spectral Line Half-Width	Δλ		20		nm	I _f =20mA
Forward Voltage	V_{f}		3.5	4.0	V	I _f =20mA
Reverse Current	I _R			50	μА	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 (λ 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 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.

UNLESS OTHERWISE SPECIFIED, ±0.25 [±0.010]

TOLERANCES:

DRAWN BY:	DATE:	DRAWING TITLE:				
EKLAS ODISH	6/7/06	Supe	r Bright LED, Rou			
CHECKED BY:	DATE:	SIZE	DWG. NO.			
YILMAZ AKYONDEM	6/19/06	Α	МС			
APPROVED BY:	DATE:					
HISHVW UDISH	6/19/06	SCAL	E: NTS			

		ING IIILE:					
	Supe	r Bright LED, Rou	nd Lens, 5mm (T1	3/4),	Green	Emitting	Color
	SIZE	DWG. NO.		ELEC	TRONIC	FILE	REV
6	Α	MC2	20365	87K7004.DWG			A
6	SCAL	E: NTS	U.O.M.: mm [INCHES]		SHEET	: 1 C	F 2

