

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}C$ $I_f=500mA$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
DOM. WAVELENGTH		598		nm	
FORWARD VOLTAGE	2.0	2.5	3.1	V_f	$I_f = 500mA$
REVERSE VOLTAGE	5.0			V_r	$I_f = 100\mu A$
AXIAL INTENSITY	42	55	70	lm	$I_f = 500mA$
VIEWING ANGLE			100	2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

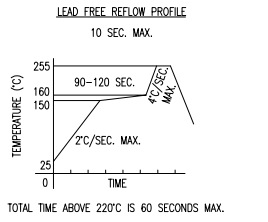
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	700	mA
STEADY CURRENT	500	mA
LED JUNCTION TEMPERATURE	110	°C
THERMAL RESISTANCE	12	°C/W
OPERATING, STORAGE TEMP.	-40 TO +100	°C

* $T_c < 10\mu s$

NOTE:
 1. WE RECOMMEND THAT THE DEVICES MUST BE BAKED BEFORE SOLDERING IF THEY ARE REMOVED FROM THE ORIGINAL PACKAGE, AND ARE EXPOSED TO ENVIRONMENTAL CONDITIONS FOR LONGER THAN THE DURATIONS, (UNIT: DAYS) DEFINED IN THE TABLE BELOW.
 2. RECOMMENDED BAKING CONDITIONS ARE 24 HOURS AT 80°C

TABLE A: MAXIMUM PERCENT RELATIVE HUMIDITY

TEMPERATURE	MAXIMUM PERCENT RELATIVE HUMIDITY						
	30%	40%	50%	60%	70%	80%	90%
30°C	9	5	4	3	1	1	1
25°C	12	7	5	4	2	1	1
20°C	17	9	7	6	2	2	1



CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 3 STANDARDS
 CAUTION: STATIC SENSITIVE DEVICE FOLLOW PROPER E.S.D. HANDLING PROCEDURES WHEN WORKING WITH THIS PART.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN.= +DECIMAL PRECISION -0.00, MAX.= +0.00 -DECIMAL PRECISION

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8mm ROUND TOP DOME SMT HI POWER LED YELLOW 2W.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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DATE: 06.28.10	DRAWN BY: JN
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SCALE: N/A	APRVD BY: KF
UNIT: mm [INCH]	