

ELECTRO-OPTICAL	CHARACTERISTICS	T _A =25°0	$I_f = 500 \text{mA}$		
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
DOM. WAVELENGTH		635		nm	
FORWARD VOLTAGE	2.0	2.7	3.3	V f	f = 500 mA
REVERSE VOLTAGE	5.0			٧r	I _r =100μΑ
AXIAL INTENSITY	35	50	60	lm	f = 500 mA
VIEWING ANGLE		100		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH	H: 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

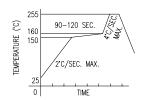
^{*}T<10µS

- 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

TEMPERATURE	MAXIMUM PERCENT RELATIVE HUMIDITY						
TEMPERATURE	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

LEAD FREE REFLOW PROFILE

10 SEC. MAX.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

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 MAX.= +0.00 -DECIMAL PRECI



290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538

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

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

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