



ELECTRO-OPTICAL CHARACTERISTICS TA=25°C

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			525		nm	
FORWARD VOLTAGE	V <sub>f</sub>		3.2	4.0	V	I <sub>f</sub> =350mA
REVERSE VOLTAGE	V <sub>r</sub>	5			V	I <sub>r</sub> =10μA
AXIAL INTENSITY	I <sub>v</sub>	33		60	lm	I <sub>f</sub> =350mA
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:	GREEN					
EPOXY LENS FINISH:	CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	500	mA
STEADY CURRENT	350	mA
POWER DISSIPATION	2.0	W
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

\*T<10μS

NOTES:

1. SML-LX2723UPGC-TR
2. MOLEX 22-28-8063 OR EQUIVALENT
3. TYCO AMP 535676-5 OR EQUIVALENT
4. ANY 3 POSITION 0.100" HEADER W/JUMPER

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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

REV.

PART NUMBER

LXP-LIGHTENGINE-G

1 WATT HIGH POWER LED, 525nm ULTRA PURE GREEN,  
PCB, W/CONNECTORS.

CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
US WEB: www.lumex.com  
TW WEB: www.lumex.com.tw

DRAWN BY:

JN

CHECKED BY:

APPROVED BY:

DATE: 03.17.08

PAGE: 1 OF 1

SCALE: N/A

