



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			590		nm	
FORWARD VOLTAGE	V_f		2.0	2.9	V	$I_f=350\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_f=10\mu\text{A}$
AXIAL INTENSITY	I_v	23		39	lm	$I_f=350\text{mA}$
VIEWING ANGLE			120		$2x \theta$	
EMITTED COLOR:					YELLOW	
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	1.5	W
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$

* $T < 10\mu\text{s}$

NOTES:

1. SML-LX2723SYC-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-Y
1 WATT HIGH POWER LED, 590nm SUPER YELLOW, PCB, W/CONNECTORS.	

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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.

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