| PART NUMBER | SML-LX2835SYSUGCTR | REV. | P1 |

- ① ▷|◁ ③ +GREEN
+ ② ▷|▷ ④ - YELLOW

ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C   I_F=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		581 (YELLOW)		nm	
		575 (GREEN)		nm	
FORWARD VOLTAGE		2.0	2.35	V_f	
REVERSE VOLTAGE	5.0			V_r	I_r=100uA
AXIAL INTENSITY (Y/G)		100/50		mcd	I_f=20mA
VIEWING ANGLE		130			2x theta
EMITTED COLOR:	YELLOW/GREEN				
EPOXY LENS FINISH:	WATER CLEAR LENS				

LIMITS OF SAFE OPERATION AT 25°C   PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	60	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

* t<10uS

NOTES:

1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
2. 2,000 PER REEL.

LEAD FREE REFLOW PROFILE

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

TAPE FEED DIRECTION

2.8mm x 3.3mm SFC MNT W/REFLECTOR CUP, DUAL CHIP, 581nm YELLOW, 575nm GREEN, WATER CLEAR.

DATE:	12.21.10	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:		APRVD BY:	JD
UNIT:	mm [INCH]		

Mouser Electronics

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