

\*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=  $\frac{+DECIMAL}{-0.00}$  MAX.=  $\frac{+0.00}{-0.00}$ 



PART NUMBER	SML-LX0603UPGW-TR rev.	F
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.
12.03.02	E.C.N. #10933.	A
03.14.03	E.C.N. #10967.	В
12.06.04	E.C.N. #11148.	С
03.05.09	E.C.N. #11508.	D
10.17.11	E.C.N. #10BRDR. & REDRAWN.	E
11.14.19	ECN-Lumex201900133	F

ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^{\circ}C$ I f = 20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		525		nm	
FORWARD VOLTAGE		3.5	4.0	Vf	
REVERSE VOLTAGE	5.0			Vr	l <sub>r</sub> =100µA
AXIAL INTENSITY		180		mcd	$I_f = 20 \text{mA}$
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	MILKY WH	HITE DIFFUS	SED		

## LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	50	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	- 30 TO + 85	°C
* 1 < 10 0		

\* t<10µS

NOTES:

1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

D	
В	CAUTION: MOISTURE SENSITIVE DEVICE
	PER JEDEC LEVEL 2a STANDARDS

LEAD LENGTH= $\pm 0.75$ ( $\pm 0.030$ ). MIN= $\begin{array}{c} +\text{DECIMAL} \\ -0.00 \end{array}$ MAX.= $\begin{array}{c} +0.00 \\ -\text{DECIMAL} \end{array}$ PRECISION	UNCONTROLL	ED DOCUMENT
m ULTRA PURE GREEN, MILKY WHITE DIFFUSED LENS.	DATE: 11.14.19	DRAWN BY: C.S.
AT ANY TIME WITHOUT NOTICE.**	PAGE: 1 OF 1	CHKD BY: E.C.
FORMATION	SCALE: NTS	APRVD BY: G.Y.
PECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.	UNIT: mm [INCH]	Ro

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Lumex: SML-LX0603UPGW-TR