



**THE DATASHEET OF
SML-LXR44GC-TR**



PART NUMBER	SML-LXR44GC-TR	REV	B
REV	E.C.N. NUMBER AND REVISION COMMENTS	DATE	
A	E.C.N.#10849.	04.01.02	
B	EON.Lumex201700094	10.24.17	

POLARITY



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	565	-	nm	If=20mA
FORWARD VOLTAGE	-	2.2	2.5	Vf	If=20mA
REVERSE VOLTAGE	-	-	10	VA	Vr=5V
LUMINOUS INTENSITY	-	30	-	mod	If=20mA
VIEWING ANGLE	-	120	-	2x theta 1/2	-
EMITTED COLOR	GREEN				
EPOXY LENS FINISH	WATER CLEAR				

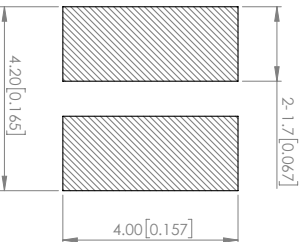
ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	140	mA
FORWARD CURRENT	25	mA
REVERSE VOLTAGE	5	V
POWER DISSIPATION	62.5	mW
STORAGE TEMPERATURE	-40 TO +85	°C
OPERATING TEMPERATURE	-40 TO +85	°C
SOLDERING TEMPERATURE**	3 SEC. MAX @ 260	°C

*I<t10s
**2.0mm FROM BODY.

NOTE:

1. ROHS COMPLIANT.
2. PACKAGE : 500 PCS / REEL



RECOMMENDED SOLDER PAD LAYOUT

MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

4(1)X1(W) 3.6(H)mm RIGHT ANGLE BOOMERANG SURFACE MOUNT LED, 565nm GREEN LED, WATER CLEAR LENS		DATE : 2017-10-24	DRAWN BY : C.C.
THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT		PAGE : 1 OF 2	CHKD BY : G.Y.
CONFIDENTIAL INFORMATION		SCALE : NTF	APRVD BY : E.C.
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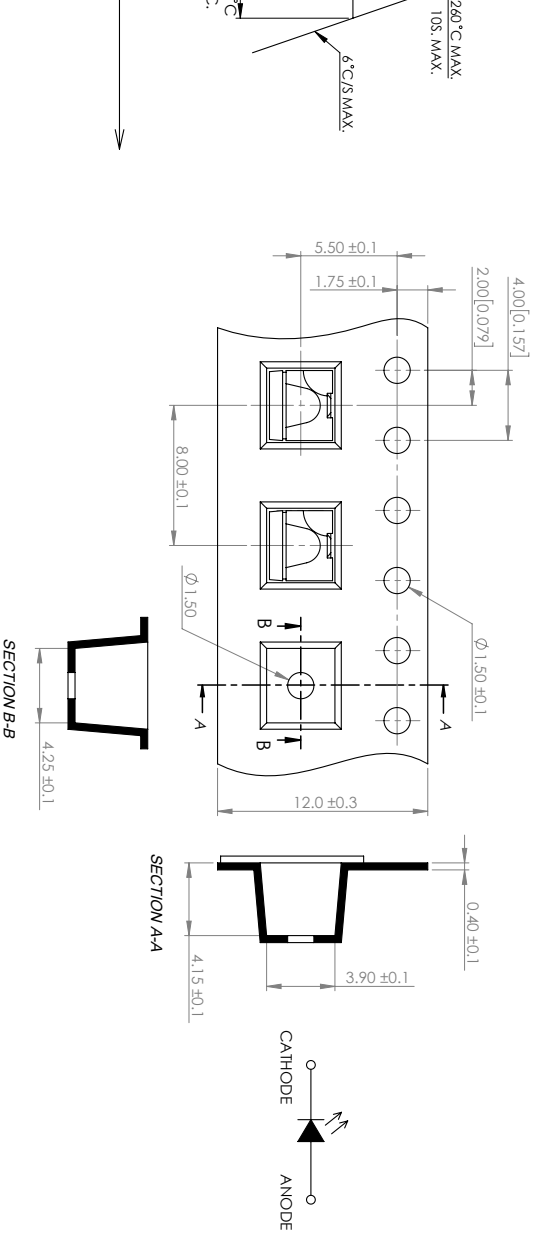
PART NUMBER

SML-LXR44GC-TR

REV

B

CARRIER TAPE DIMENSION



260°C MAX.
10S MAX.

6° C/S MAX.

SECTION B-B

SECTION A-A

CATHODE
ANODE

4(L)(X)(W) 3 6(H)(mm) RIGHT ANGLE BOOMERANG SURFACE MOUNT LED, 565nm GREEN LED, WATER CLEAR LENS
MIN = -0.025mm PRECISION MAX = +0.025mm PRECISION

DATE : 2017/10/24 DRAWN BY : C.C.
PAGE : 2 OF 2 CHD BY : G.Y.
SCALE : NTF APVD BY : E.C.
UNIT : mm [INCH]



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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management