



**THE DATASHEET OF
SML-LXIL2324SIC-TR**

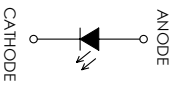


PART NUMBER	SML-LX1L2324SIC-TR	REV	C
REV	E.C.N. NUMBER AND REVISION COMMENTS	DATE	
A	E.C.N. #10BRDR. & REDRAWN.	10.03.13	
A	E.C.N. #11880.	10.03.13	
A	ECN-Lumex2017100082	09.27.17	

2.90 [0.114]
2.60 [0.102]



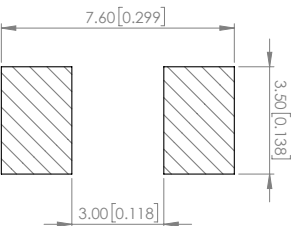
POLARITY



PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	625	-	nm	If=20mA
FORWARD VOLTAGE	-	2.0	2.4	Vf	If=20mA
REVERSE CURRENT	-	-	10	µA	Vr=5V
LUMINOUS INTENSITY	-	45000	-	mcad	If=20mA
VIEWING ANGLE	-	12	-	2x theta1/2	-
EMITTED COLOR	RED				
EPOXY LENS FINISH	WATER CLEAR				

ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

RECOMMENDED SOLDER PAD LAYOUT



PARAMETER	MAX	UNITS
FORWARD CURRENT	60	mA
REVERSE VOLTAGE	5	V
POWER DISSIPATION	144	mW
STORAGE TEMPERATURE	-30 TO +85	°C
OPERATING TEMPERATURE	-30 TO +85	°C

ABSOLUTE MAXIMUM RATINGS TA=25°C

MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

6.8(1)5.8(1V)2.9(1H)mm, NARROW BEAM 6mm SMT LED, 625nm RED LED, WATER CLEAR LENS, TAPE & REEL.			
THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.			
DATE : 2017.09.27		DRAWN BY : C.C.	
PAGE : 1 OF 3		CHD BY : G.Y.	
SCALE : NTF		APRD BY : E.C.	
UNIT : mm (INCH)			

6.8(1)5.8(1V)2.9(1H)mm, NARROW BEAM 6mm SMT LED, 625nm RED LED, WATER CLEAR LENS, TAPE & REEL.
MIN = +0.025mm, MAX = +0.025mm, PRECISION
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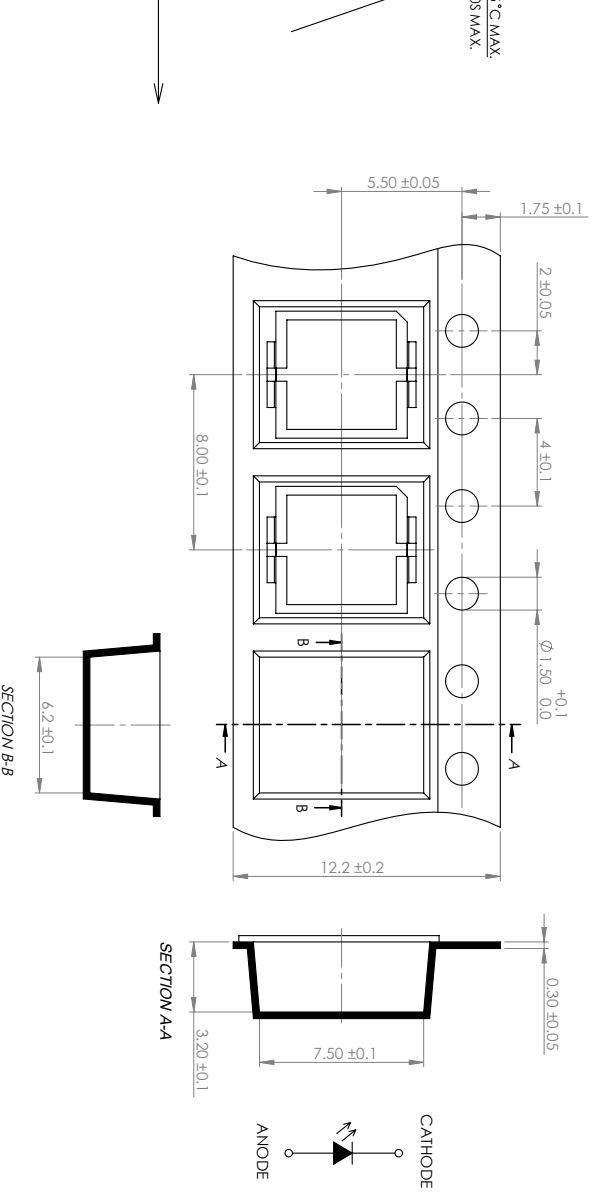
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SML-LXIL2324SIC-TR

REV

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CARRIER TAPE DIMENSION



6.8(1/5, 8/16) 2.9(1/8)mm, NARROW BEAM 6mm SMF LED, 625nm RED LED, WATER CLEAR LENS, TAPE & REEL. MIN = +0.025mm PRECISION MAX = +0.025mm PRECISION

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PART NUMBER

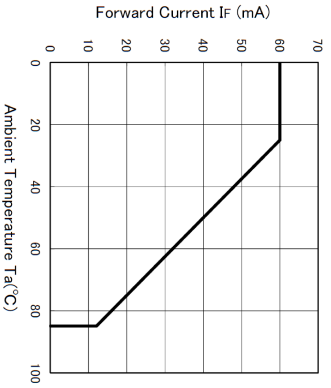
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REV

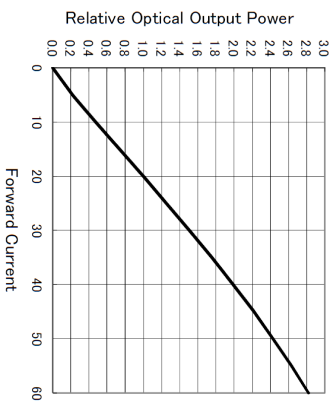
C

CHARACTERISTICS (TYPICAL)

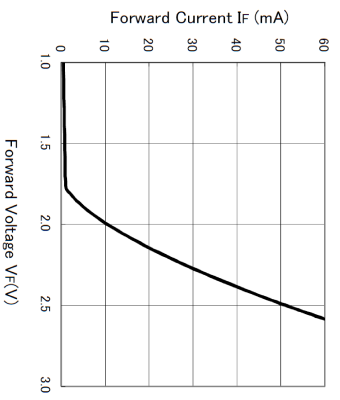
AMBIENT TEMPERATURE vs.
FORWARD CURRENT



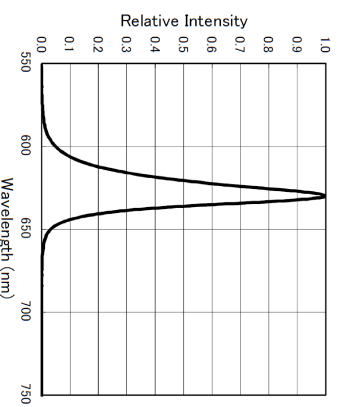
FORWARD CURRENT vs.
RELATIVE OPTICAL OUTPUT POWER



FORWARD VOLTAGE vs.
FORWARD CURRENT
CONDITION : Ta=25°C



RELATIVE INTENSITY vs. WAVELENGTH
CONDITION : Ta=25°C, If=20mA



6.8(1/5, 8(V) 2.9(4)mm, NARROW BEAM 6mm SMT LED, 625nm RED LED, WATER CLEAR LENS, TAPE & REEL. MIN=^{+0.02} MAX=^{-0.02} TYPICAL PRECISION

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