



**THE DATASHEET OF  
SML-LX12012MWC-WB3**



PART NUMBER

SML-LX12012MWC-WB3

REV.

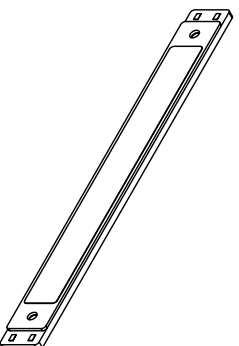
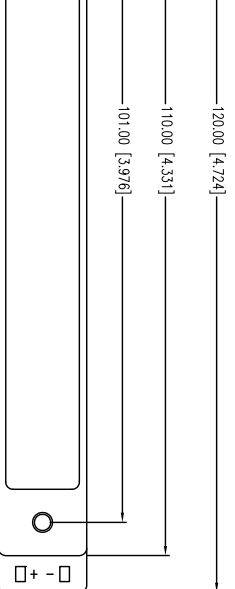
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ELECTRO-OPTICAL CHARACTERISTICS  $T_c=25^{\circ}\text{C}$   $I_f=320\text{mA}$ 

PARAMETER	MIN	TYPE	MAX	UNITS	TEST COND
PEAK WAVELENGTH			-	nm	
FORWARD VOLTAGE			12	Vf	$I_f=100\text{mA}$
REVERSE VOLTAGE	5.0			Vr	$I_f=320\text{mA}$
AXIAL INTENSITY			240	lm	
COLOR TEMP.			3500	K	
VIEWING ANGLE			170	$2\theta$ theta	
EMITTED COLOR			WARM WHITE		
LENS FINISH:			WATER CLEAR		

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$ 

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1000	mA
STEADY CURRENT	700	mA
LED JUNCTION TEMPERATURE	130	$\text{mW}$
DERATE FROM $25^{\circ}\text{C}$	-1.2	$\text{mW}/^{\circ}\text{C}$
OPERATING TEMP.	-20 TO +70	$^{\circ}\text{C}$
STORAGE TEMP.	-20 TO +70	$^{\circ}\text{C}$

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

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.= -0.00 DECEMAL PRECISION MAX.= +0.00 DECEMAL PRECISION

UNCONTROLLED DOCUMENT

DATE: 11.14.12

DRAWN BY: MA

PAGE: 1 OF 1

CHKD BY: JD

SCALE: NTS

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UNIT: mm [INCH]

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3W, WIRELESS BOND LED MODULE, METAL PCB, WARM WHITE.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT\*\*

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