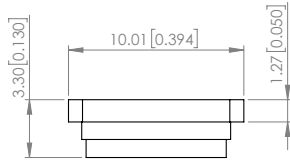
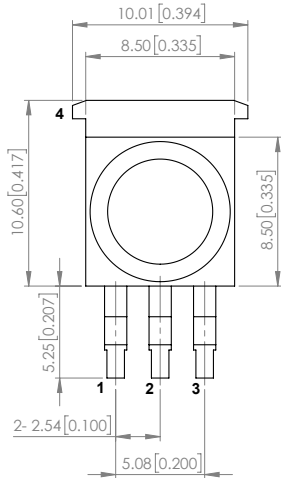
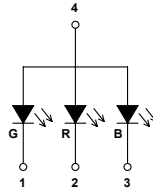


PART NUMBER		SML-LX1610RGBW/A	REV	C
REV	E.C.N. NUMBER AND REVISION COMMENTS		DATE	
A	E.C.N. #11508.		03.10.09	
B	ECN-Lumex201700017		05.24.17	
C	ECN-Lumex201700087		10.06.17	



POLARITY



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	R	-	625	-	nm
	G	-	525	-	
	B	-	470	-	If=350mA
FORWARD VOLTAGE	R	-	2.1	2.79	Vf
	G	-	3.5	3.99	
	B	-	3.5	3.99	
REVERSE VOLTAGE	-	-	5	Vr	Ir=100uA
TOTAL FLUX	R	-	35	-	lm
	G	-	80	-	
	B	-	30	-	If=350mA
VIEWING ANGLE	-	110	-	2x theta 1/2	-
EMITTED COLOR	RED / GREEN / BLUE				
EPOXY LENS FINISH	WATER CLEAR				

ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT (R/G/B)*	350 / 500 / 500	mA
FORWARD CURRENT (R/G/B)	300 / 350 / 350	mA
POWER DISSIPATION	3.5	W
STORAGE TEMPERATURE	-40 TO +85	°C
OPERATING TEMPERATURE	-40 TO +85	°C
SOLDERING TEMPERATURE**	3 SEC. MAX. @260	°C

*t<10us
**2.0mm FROM BODY

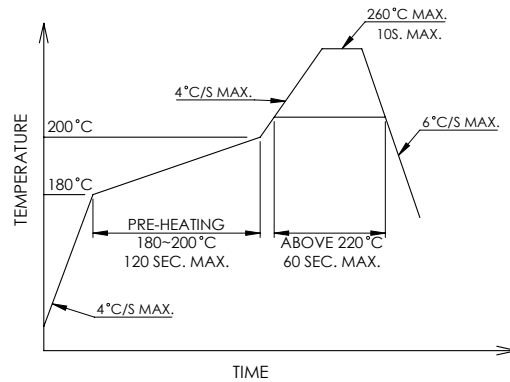
NOTE:
1. RoHS COMPLIANT.

MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

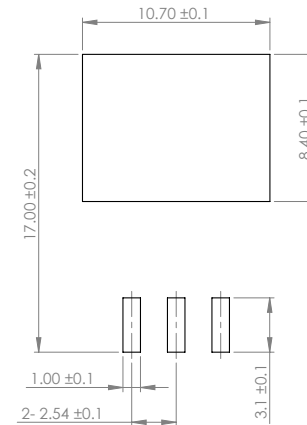
STATIC DEVICE FOLLOW PROPER
E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART

*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= ^{0.00}DECIMAL PRECISION, MAX.= ^{0.00}DECIMAL PRECISION

PROFILE



RECOMMENDED SOLDER PAD LAYOUT



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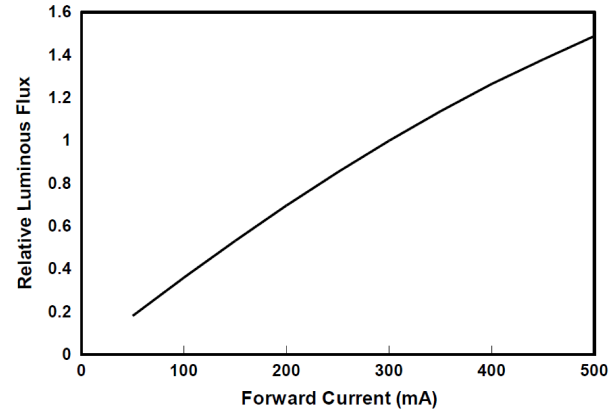
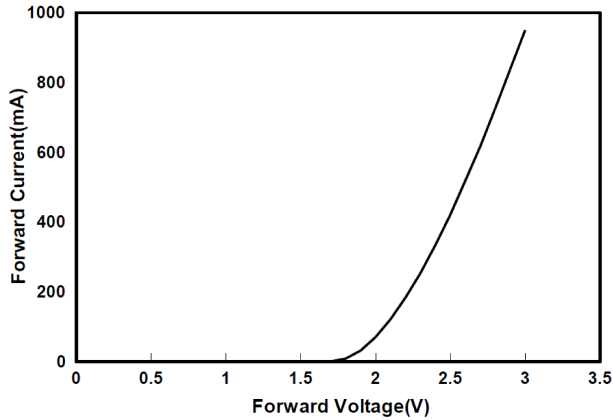
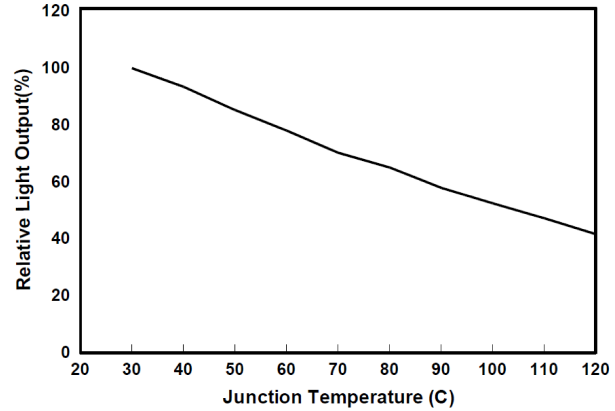
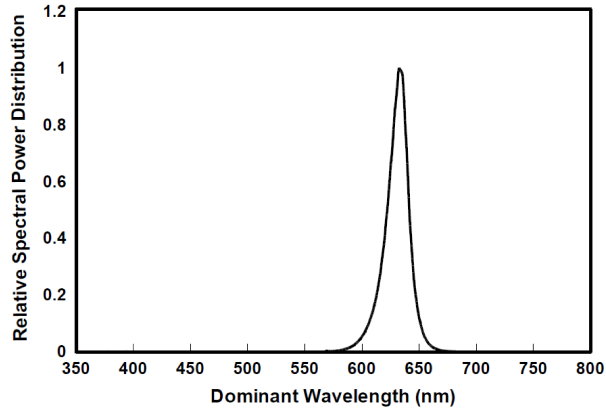
SCALE : NTF

APRVD BY : E.C.

UNIT : mm [INCH]



RED LED CHARACTERISTICS CURVES



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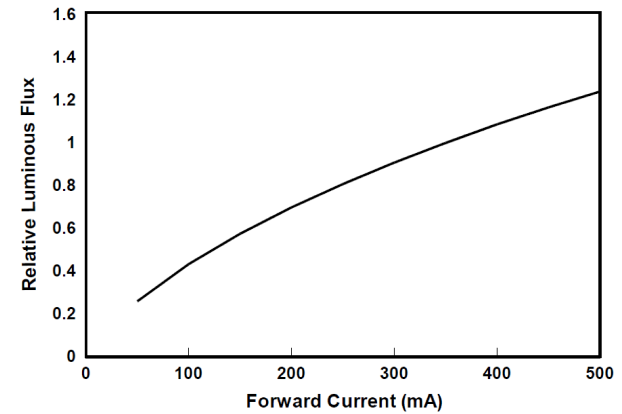
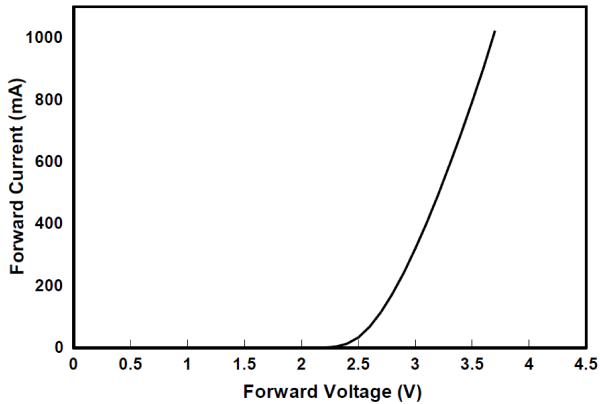
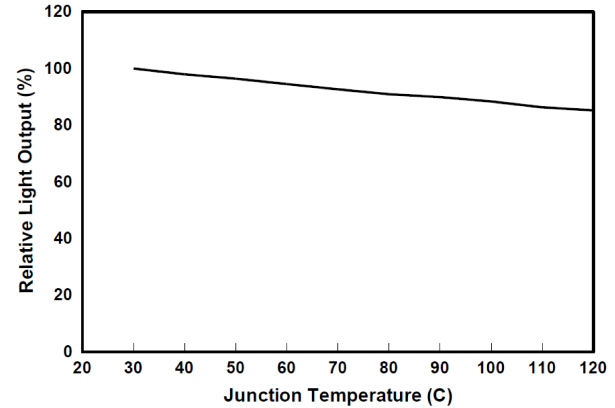
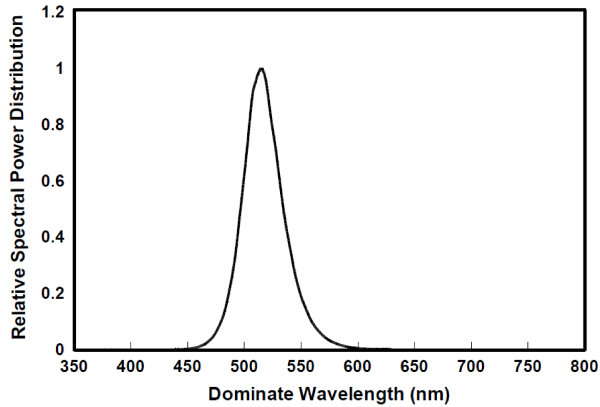
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SCALE : NTF	APRVD BY : E.C.
UNIT : mm [INCH]	

GREEN LED CHARACTERISTICS CURVES



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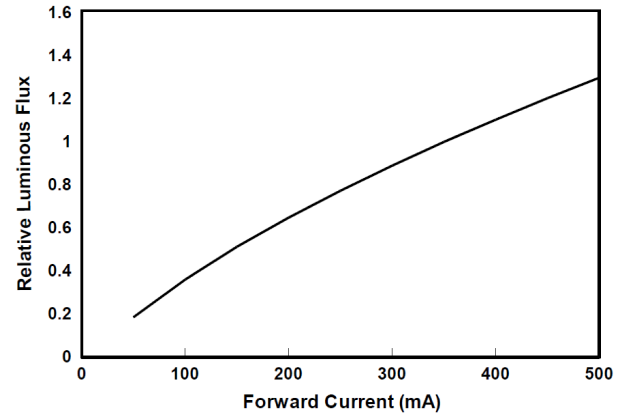
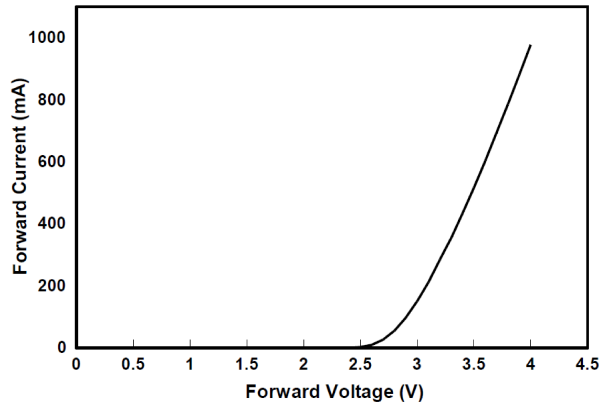
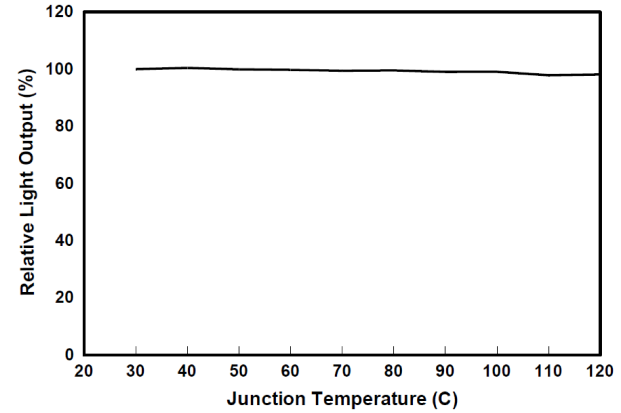
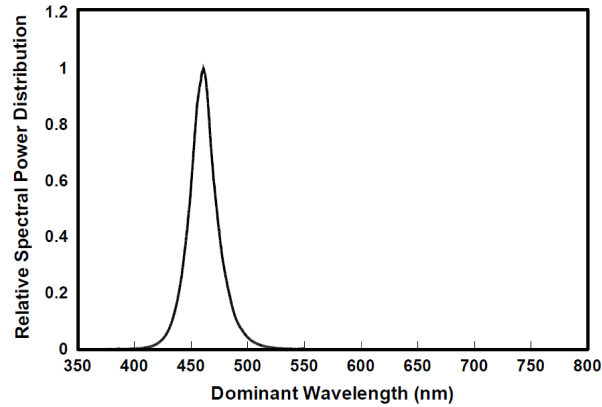
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UNIT : mm [INCH]	

BLUE LED CHARACTERISTICS CURVES



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UNIT : mm [INCH]	Ⓢ

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