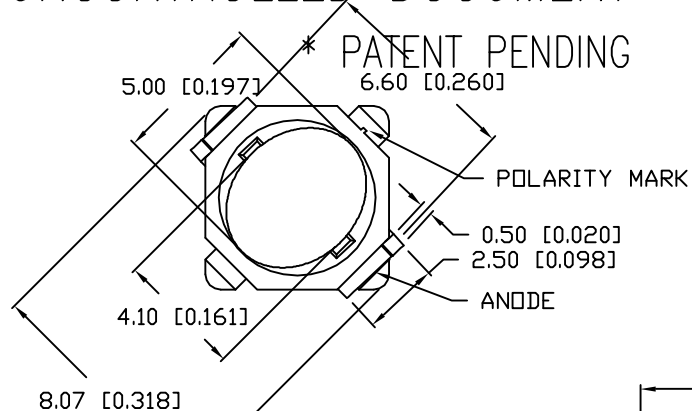
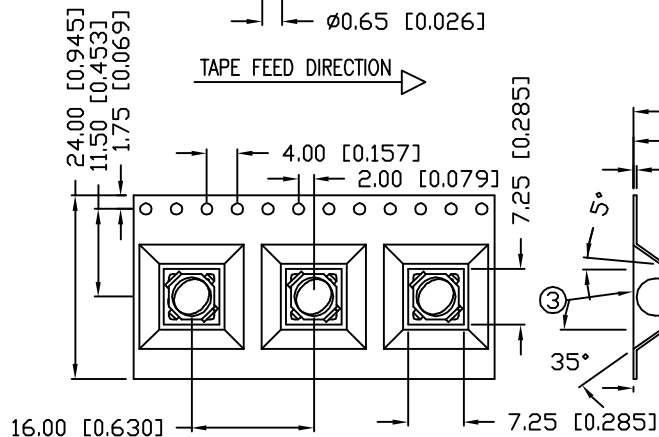
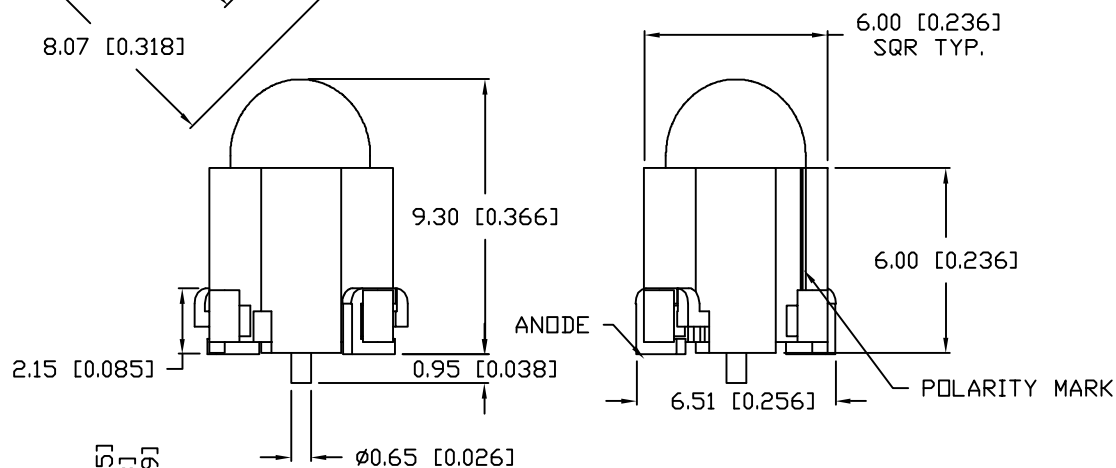


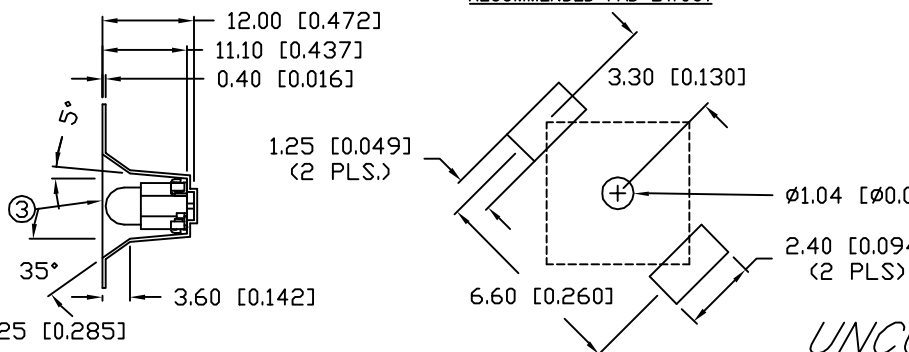
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CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



RECOMMENDED PAD LAYOUT



NOTES:

- PART USES ROUND REFLECTOR CUP WITH NO SILICONE ENDCAPSULATION OVER DICE.
- NO BIN CODE ON EACH REEL AS PARTS ARE MIXED BINS IN A REEL.
- COVER TAPE ON CARRIER IS HEAT SEALING TYPE.

*AXIAL INTENSITY BINS

BIN	INTENSITY@20mA	
	MIN (mcd)	MAX (mcd)
9	2800	3850
0	3850	5200

*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=+DECIMAL PRECISION -0.00 MAX=+0.00 -DECIMAL PRECISION

PART NUMBER
SML-H150E5UPGDNCTRREV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11599.	12.01.09
B	E.C.N. #11617.	02.04.10

ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C I_F=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		520		nm	
FORWARD VOLTAGE	2.8		3.4	V _F	
REVERSE VOLTAGE	5.0			V _R	I _R =100μA
AXIAL INTENSITY*	REFER TO CHART			mcd	I _F =20mA
VIEWING ANGLE (X)		60		2x theta	
VIEWING ANGLE (Y)		30		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT**	100	mA
STEADY CURRENT	20	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-30 TO +80	°C
STORAGE TEMP.	-40 TO +100	°C

**1/10 DUTY CYCLE, 0.1ms PULSE WIDTH

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REV.

B

PART NUMBER

SML-H150E5UPGDNCTR

5X4mm ELLIPTICAL SURFACE MOUNTED DOME LED,
520nm PURE GREEN LED, GREEN DIFFUSED.

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

LUMEX
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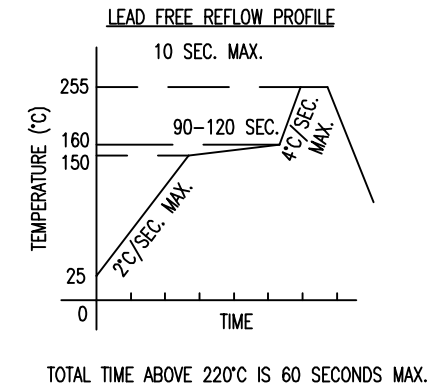
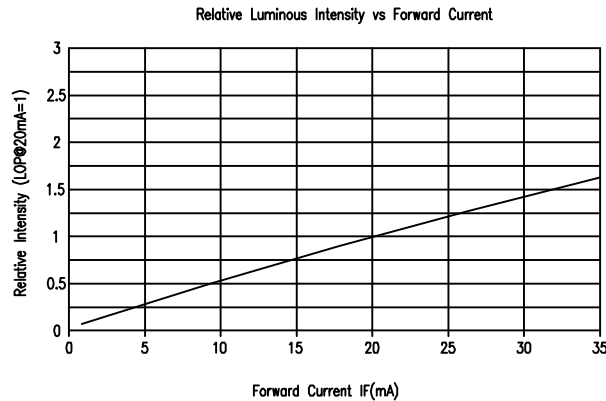
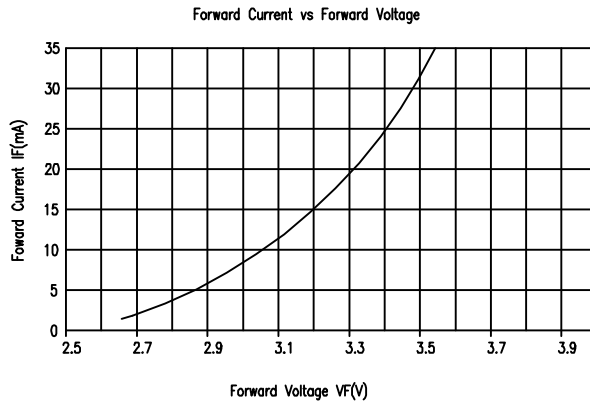
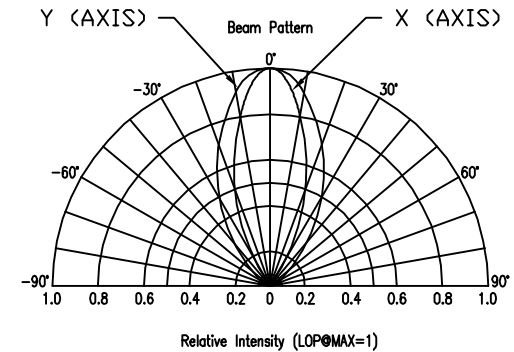
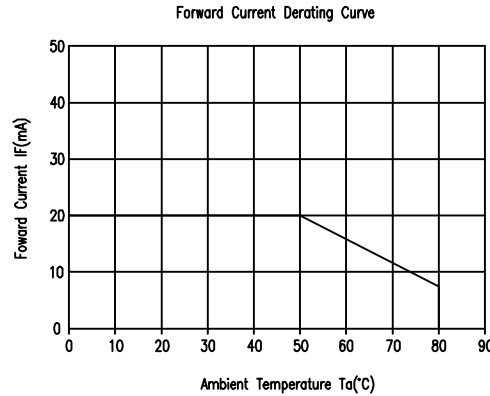
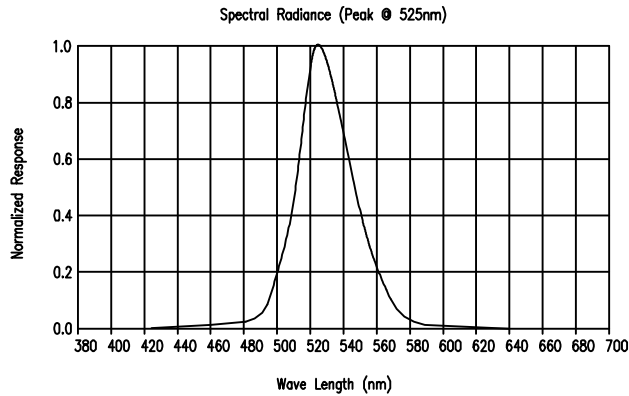
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* PATENT PENDING

PART NUMBER
SML-H150E5UPGDNCTR

REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
	SEE PAGE ONE.	



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REV. B PART NUMBER SML-H150E5UPGDNCTR

5X4mm ELLIPTICAL SURFACE MOUNTED DOME LED,
520nm PURE GREEN LED, GREEN DIFFUSED.

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