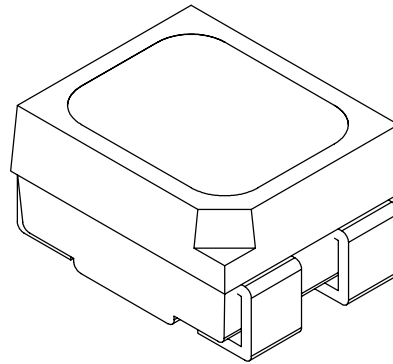
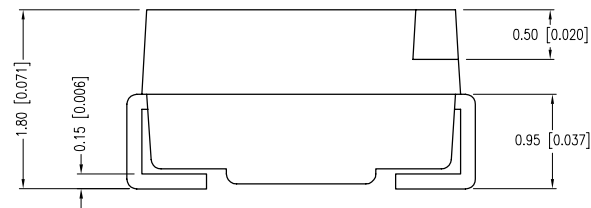
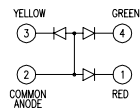
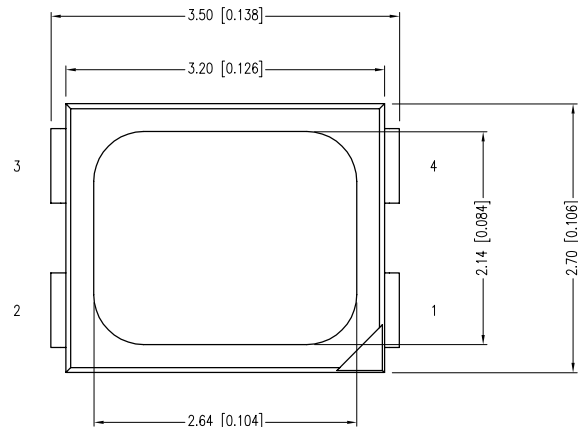


ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$

PARAMETER	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH (R/G/B)	660/585/590		nm	
FORWARD VOLTAGE (R/G/B)	1.7/2.2/2.0	2.2/2.6/2.8	V_f	$I_f = 100\text{mA}$
REVERSE VOLTAGE (R/G/B)	4.0/5.0/5.0		V_r	$I_f = 20\text{mA}$
AXIAL INTENSITY (R/G/B)	110/30/80		mcd	
VIEWING ANGLE	120		2x theta	
EMITTED COLOR:	RED/GREEN/YELLOW			
EPOXY LENS FINISH:	WATER CLEAR LENS			

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

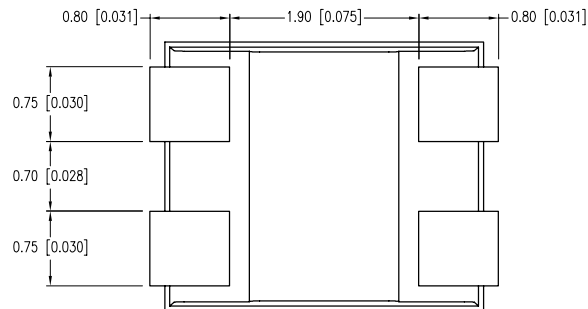
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT* (R/G/Y)	200/160/160	mA
STEADY CURRENT (R/G/Y)	30/25/30	mA
POWER DISSIPATION (R/G/Y)	110/100/100	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO $+85$	$^\circ\text{C}$
STORAGE TEMP.	-40 TO $+85$	$^\circ\text{C}$
SOLDERING TEMP.	$+260$	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

NOTES:

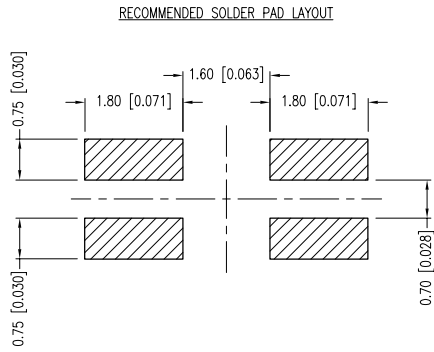
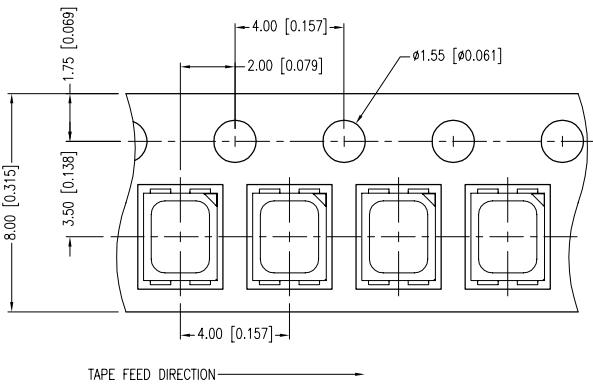
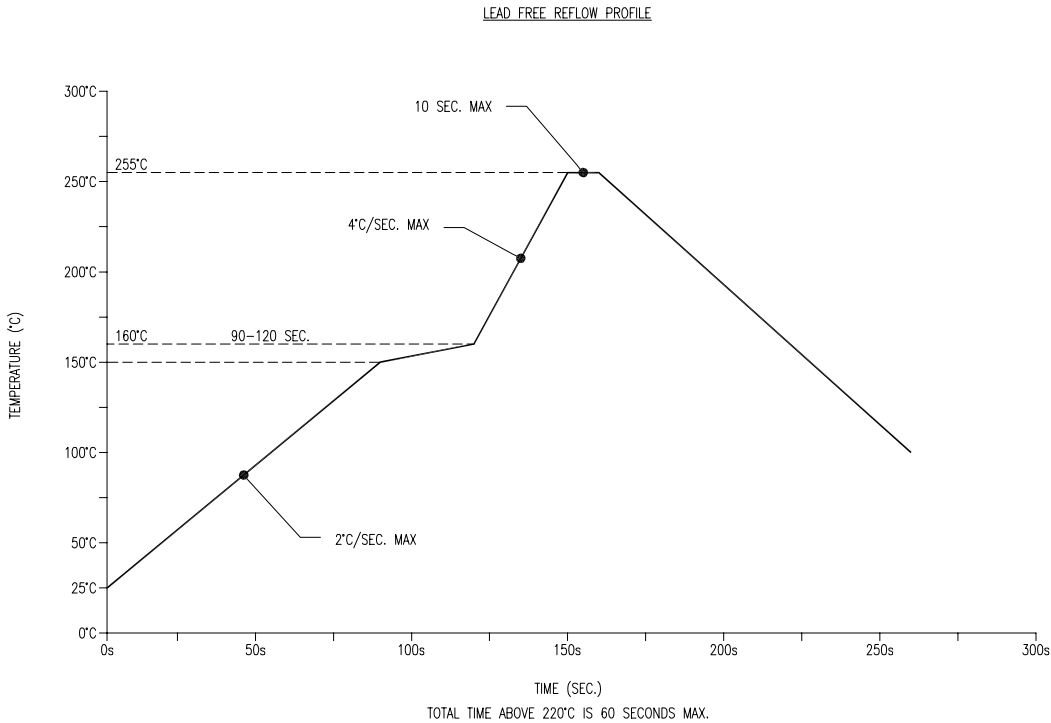
1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
2. 2,000 PER REEL.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS



*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 MAX.= +0.00
-0.00

UNCONTROLLED DOCUMENT



*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 MAX.= +0.00 -DECIMAL PRECISION

 LUMEX Creating LED and LCD Solutions Together™	290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM	2.8mm x 3.2mm SML /W REFLECTOR CUP, DUAL CHIP, 660nm/565nm/590nm LED, WATER CLEAR LENS, 2k	DATE: 02.3.11	DRAWN BY: AB
			PAGE: 2 OF 2	CHKD BY: KF
			SCALE: NTS	APRVD BY: JD
			UNIT: mm [INCH]	Ⓟ

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