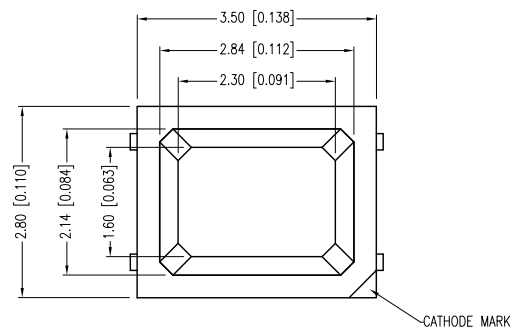
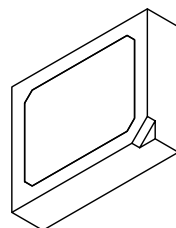
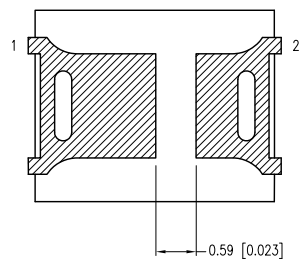
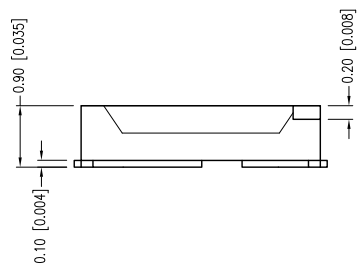
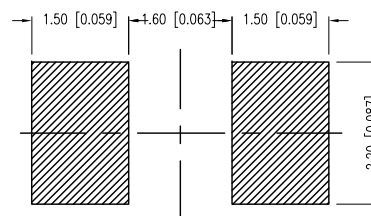




+10 → 2-



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS TEST COND
PEAK WAVELENGTH			590		nm
FORWARD VOLTAGE	V_f	1.8	2.1	2.4	V_f
REVERSE VOLTAGE	V_r	5.0			V_r $I_r=10\mu\text{A}$
LUMINOUS INTENSITY	I_v		1500		mcd $I_f=20\text{mA}$
VIEWING ANGLE			120		$2x$ theta
EMITTED COLOR:	YELLOW				
LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
DC FORWARD CURRENT	60	mA
PEAK FORWARD CURRENT	160	mA
POWER DISSIPATION	180	mW
DERATE FROM 25°C	-1.25	$\text{mW}/^\circ\text{C}$
OPERATING TEMP.	-40 TO +80	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

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

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

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.039), $X.X=\pm 0.5$ (± 0.020), $X.XX=\pm 0.25$ (± 0.010), $X.XXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN.= $^{+0.00}_{-0.00}$ DECIMAL PRECISION MAX.= $^{+0.00}_{-0.00}$ DECIMAL PRECISION

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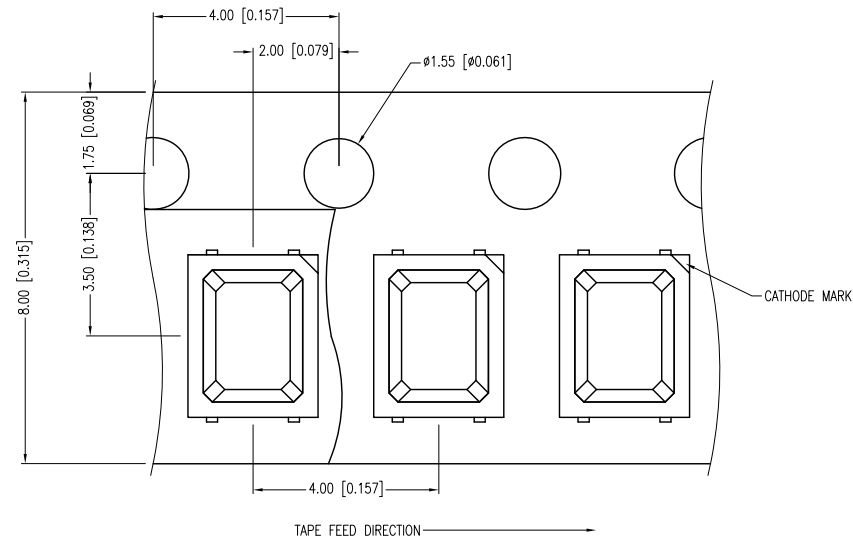
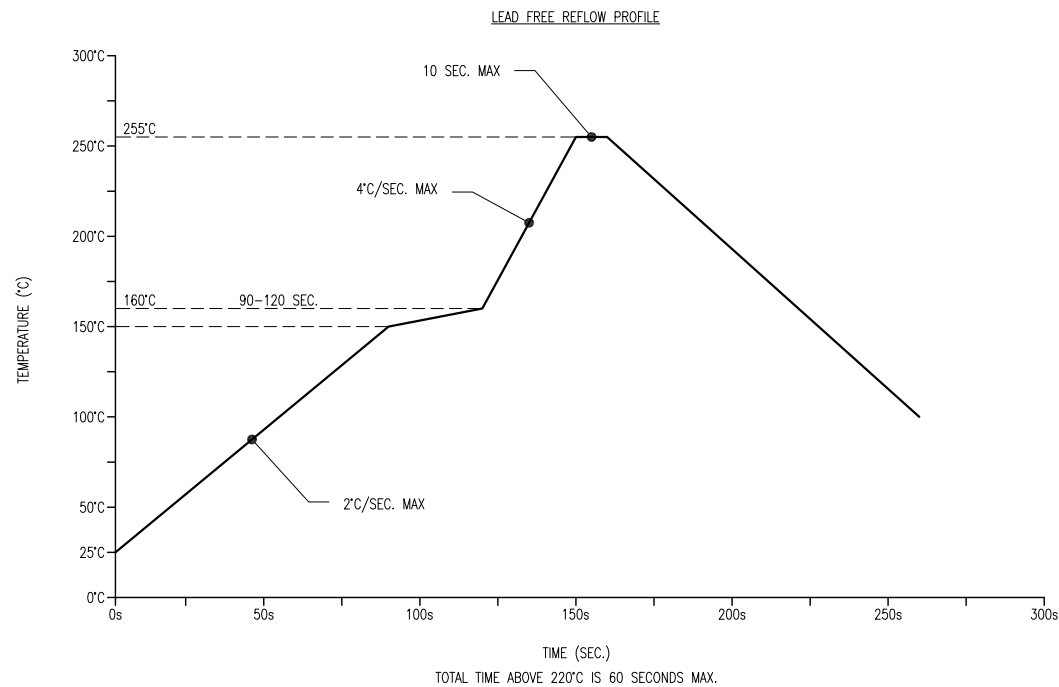
3.5mm x 2.8mm 0.2W SMT LED, 590nm YELLOW, WATER CLEAR, TAPE & REEL.

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

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DATE:	02.11.13	DRAWN BY:	MA
PAGE:	1 OF 2	CHKD BY:	DT
SCALE:	NTS	APRVD BY:	DT
UNIT:	mm [INCH]		(Pb)



*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.= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION MAX.= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION

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3.5mm x 2.8mm 0.2W SMT LED, 590nm YELLOW, WATER CLEAR, TAPE & REEL.

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