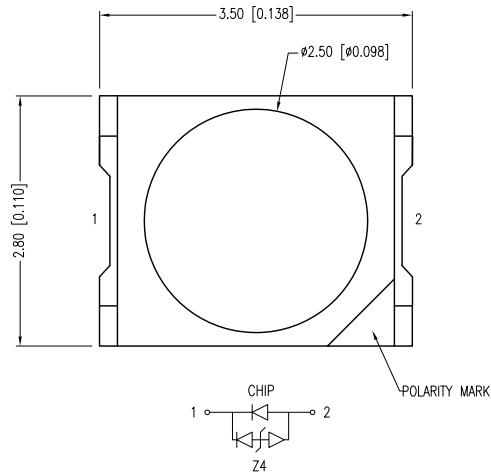
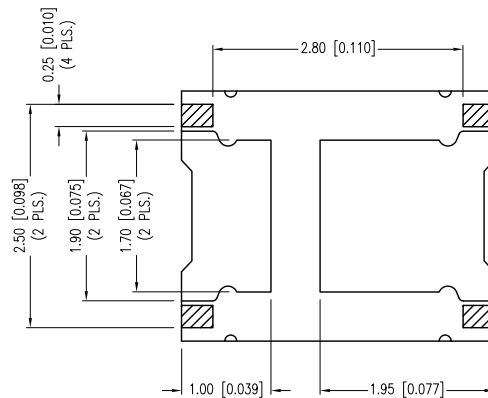
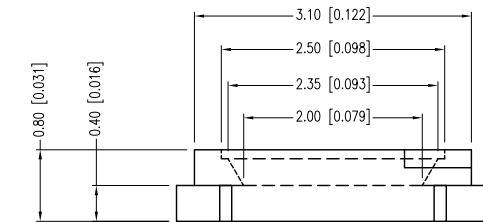


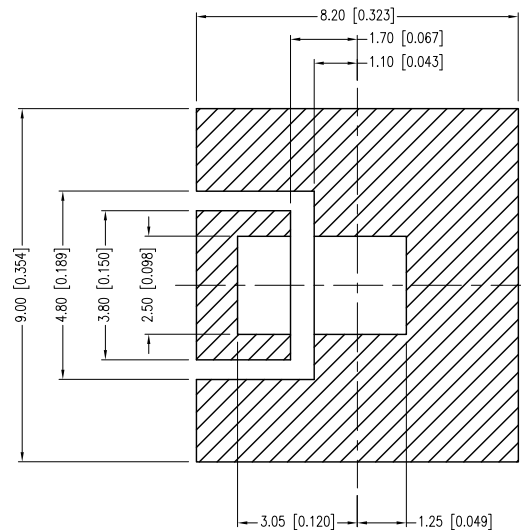
ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $I_f=150\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	$I_f=150\text{mA}$
FORWARD VOLTAGE	2.7	3.3		Vf	$I_f=150\text{mA}$
REVERSE VOLTAGE	5.0			V	$V_r=10\mu\text{A}$
LUMINOUS FLUX	12	14		lm	$I_f=150\text{mA}$
BRIGHTNESS	3.6	4.5		cd	$I_f=150\text{mA}$
VIEWING ANGLE		120			
EMITTED COLOR:	YELLOW				
LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	200	mA
STEADY CURRENT	150	mA
POWER DISSIPATION	495	mW
THERMAL RESISTANCE (JUNCTION/AMBIENT)	135	$^{\circ}\text{C/W}$
THERMAL RESISTANCE (JUNCTION/SOLDER POINT)	55	$^{\circ}\text{C/W}$
JUNCTION TEMPERATURE	110	$^{\circ}\text{C}$
OPERATING TEMP.	-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$

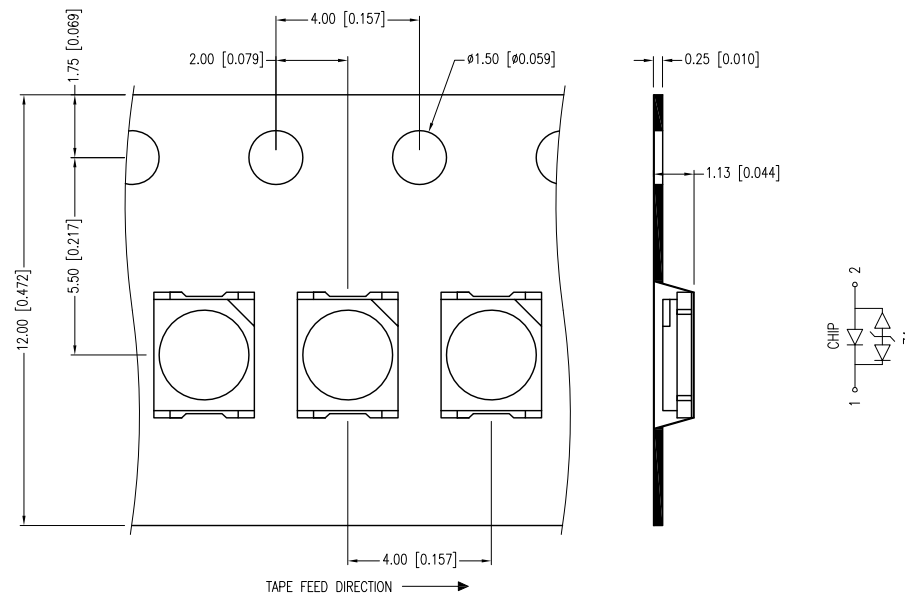
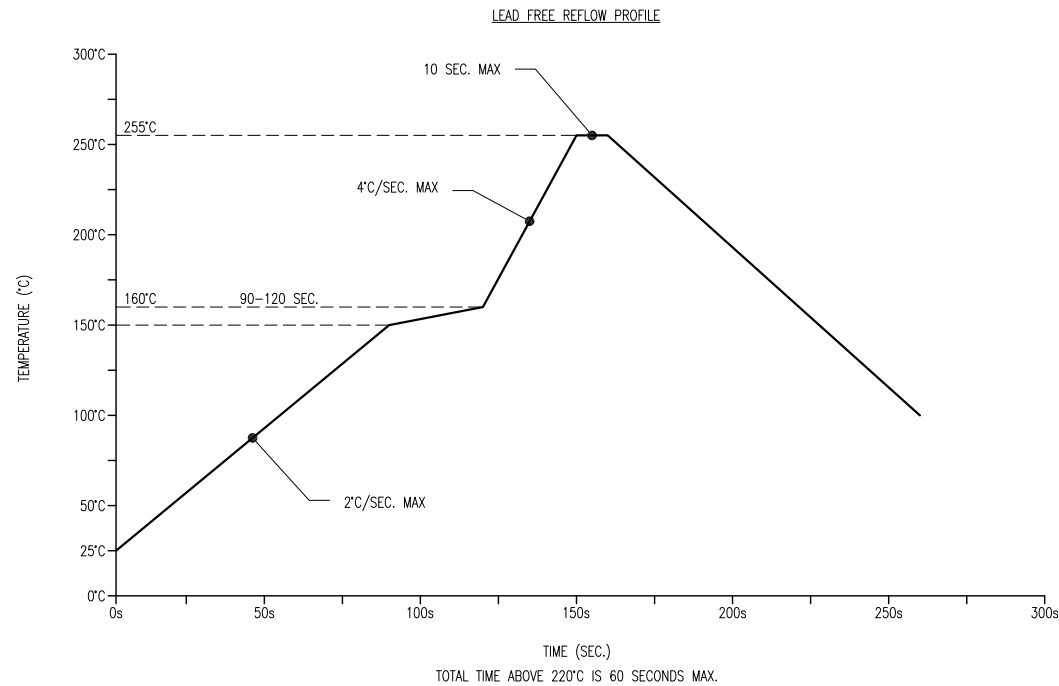
* $t < 10\mu\text{s}$ 

RECOMMENDED SOLDER PROFILE



*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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*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}

UNCONTROLLED DOCUMENT



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MEMBER OF ITW PHOTONICS GROUP

2.8mm X 3.1mm 0.5W SMD LED YELLOW, TAPE AND REEL.

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

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DATE:	04.17.14	DRAWN BY:	MA
PAGE:	2 OF 2	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		(Pb)