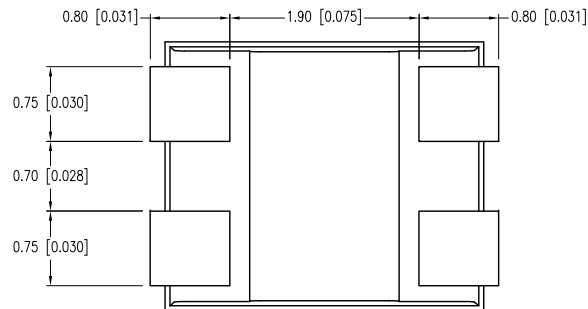
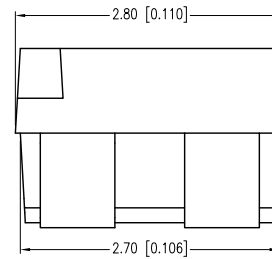
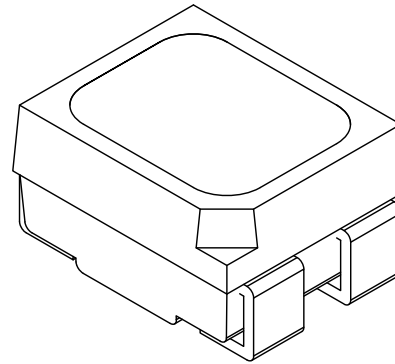
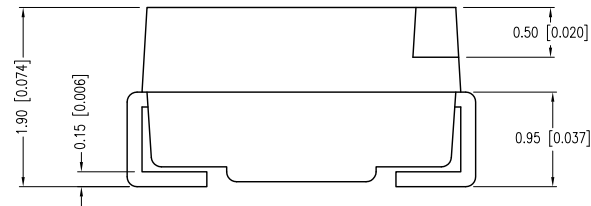
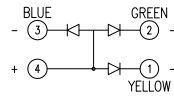
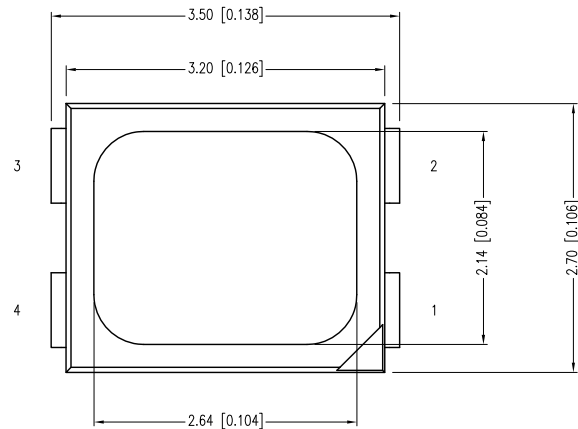


ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH (Y/G/B)		590/574/430		nm	
FORWARD VOLTAGE (Y/G/B)		2.0/2.2/3.5	2.5/2.6/4.5	V_f	$I_f = 100\text{uA}$
REVERSE VOLTAGE		5.0		V_r	$I_f = 20\text{mA}$
AXIAL INTENSITY (Y/G/B)		150/150/70		mcd	
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	YELLOW/GREEN/BLUE				
EPOXY LENS FINISH:	WATER CLEAR LENS				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(Y/G/B)	160/160/100	mA
STEADY CURRENT	(Y/G/B)	25/25/30	mA
POWER DISSIPATION	(Y/G/B)	120	mW
OPERATING TEMP.		-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.		-40 TO +90	$^\circ\text{C}$

* $t < 10\text{uS}$

NOTES:

1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

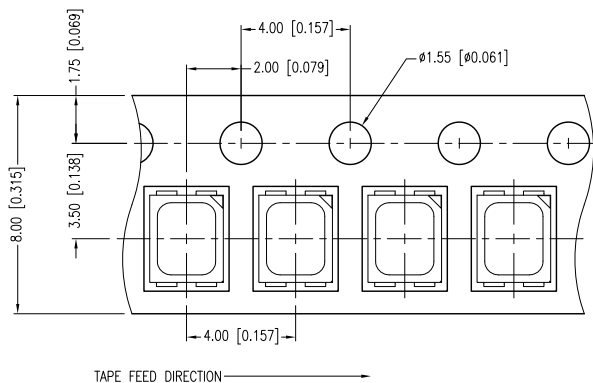
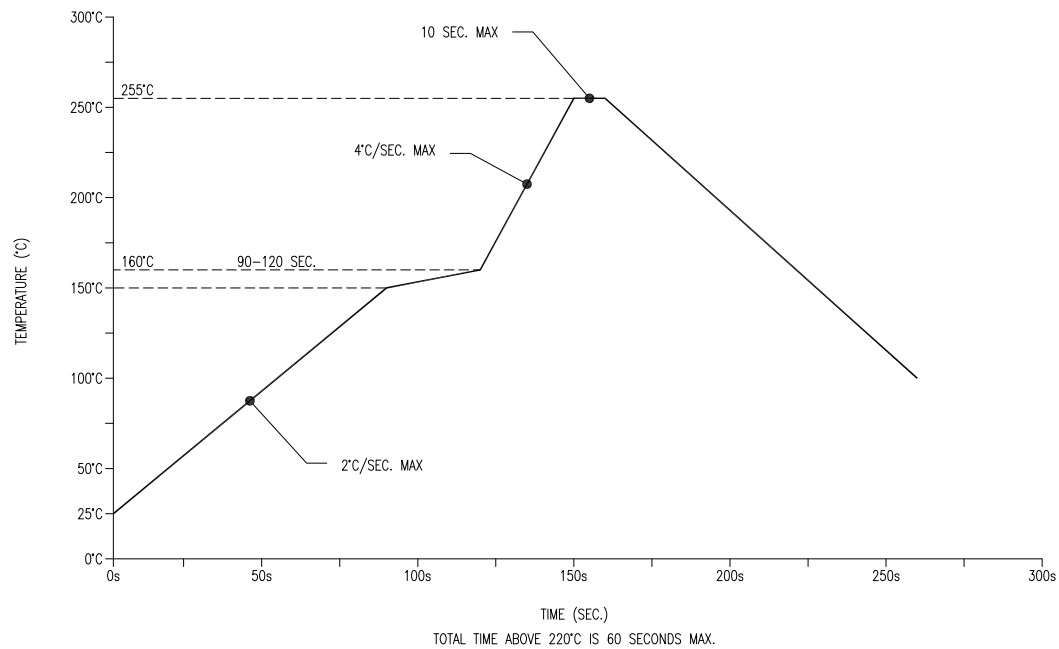
CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

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

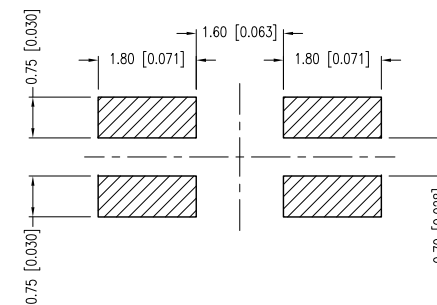
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= ± 1 (± 0.039), X.X= ± 0.5 (± 0.020), X.XX= ± 0.25 (± 0.010), X.XXX= ± 0.127 (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= $^{+0.00}_{-0.00}$ DECIMAL PRECISION MAX= $^{+0.00}_{-0.00}$ DECIMAL PRECISION

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LEAD FREE REFLOW PROFILE



RECOMMENDED SOLDER PAD LAYOUT



*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}

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2.8mm x 3.5mm SML /W REFLECTOR CUP, 590nm/574nm/430nm LED, WATER CLEAR LENS.

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

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