

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$				
PARAMETER	MIN	TYP	MAX	UNITS
PEAK WAVELENGTH (R/G/B)	650/518/468			nm
FORWARD VOLTAGE (R/G/B)	2.0/3.5/3.5	2.4/4.3/4.3		V_f
REVERSE VOLTAGE	5.0			V_r
AXIAL INTENSITY (R/G/B)	60/220/115			mcd
VIEWING ANGLE	120			$I_f=20\text{mA}$ 2x theta
EMITTED COLOR:	RED/GREEN/BLUE			
EPOXY LENS FINISH:	WATER CLEAR LENS			

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/B)	60/100/100	mA
STEADY CURRENT	(R/G/B)	25/30/30	mA
POWER DISSIPATION	(R/G/B)	60/130/130	mW
OPERATING TEMP.		-40 TO +85	°C
STORAGE TEMP.		-40 TO +90	°C

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

NOTES:

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

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDSCAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

*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= $^{+0.00}$ MAX= $^{+0.00}$

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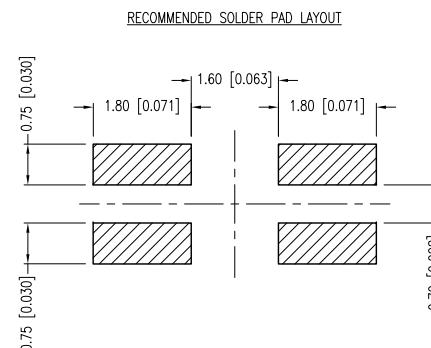
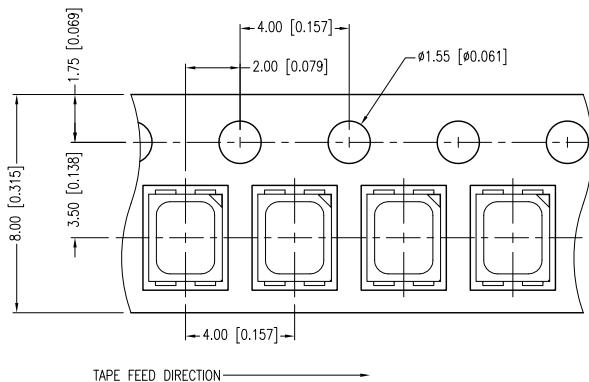
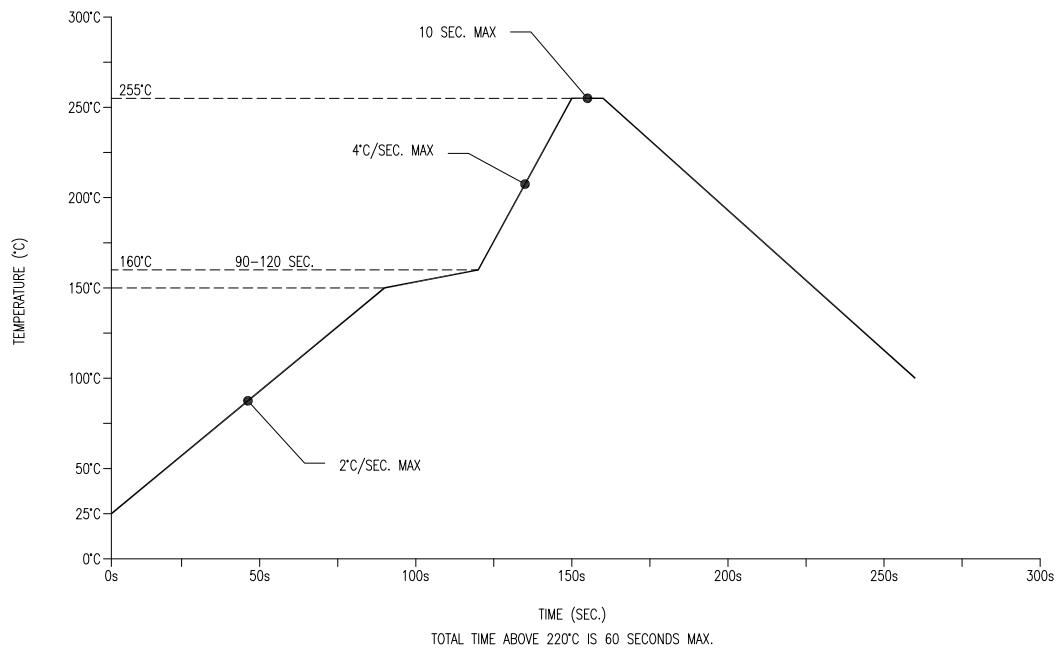
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2.8mm x 3.5mm SML /W REFLECTOR CUP, 650nm/518nm/468nm LED, WATER CLEAR LENS.

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

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DATE: 02.03.11	DRAWN BY: AB
PAGE: 1 OF 2	CHKD BY: KF
SCALE: NTS	APRVD BY: SS
UNIT: mm [INCH]	

LEAD FREE REFLOW PROFILE

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