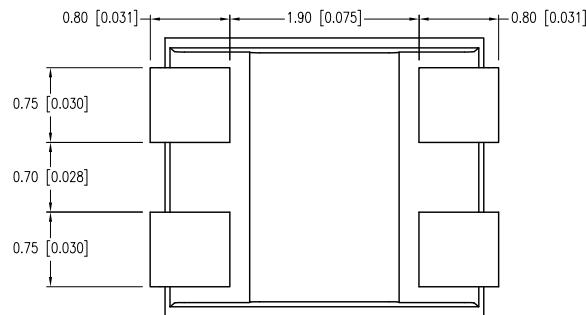
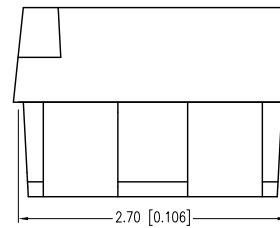
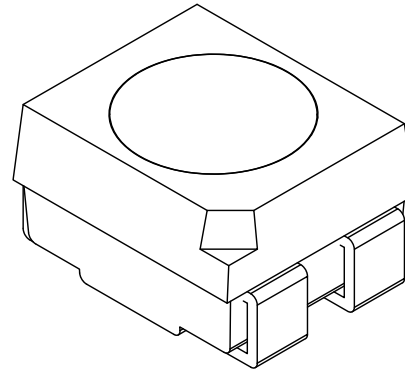
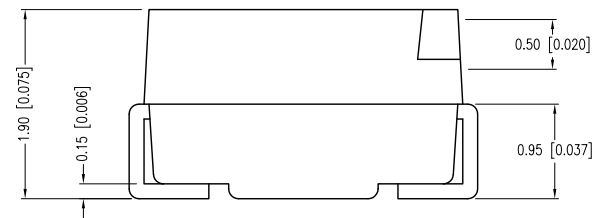
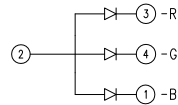
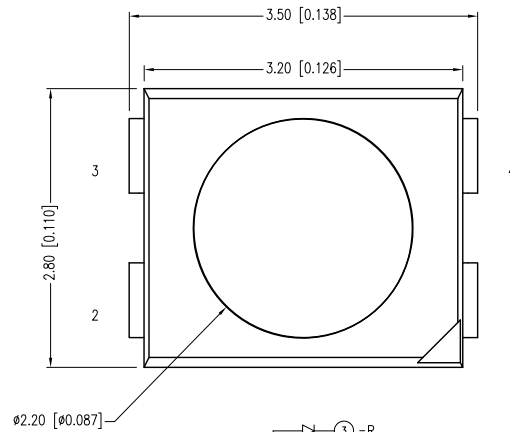


ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH (R/G/B)		636/525/470		nm	
FORWARD VOLTAGE (R/G/B)		2.0/3.0/3.0	2.3/3.5/3.5	V_f	
REVERSE VOLTAGE		5.0		V_r	$I_f=50\mu\text{A}$
AXIAL INTENSITY (R/G/B)	180/450/180		360/900/360	mcd	$I_f=20\text{mA}$
VIEWING ANGLE		120		$2\times\theta$	
EMITTED COLOR:	RED/GREEN/BLUE				
EPOXY LENS FINISH:	WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		100	mA
STEADY CURRENT	(R/G/B)	50/25/25	mA
POWER DISSIPATION	(R/G/B)	120/95/95	mW
OPERATING TEMP.		-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.		-40 TO +90	$^{\circ}\text{C}$

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

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= $^{+0.000}_{-0.000}$ DECIMAL PRECISION MAX= $^{+0.000}_{-0.000}$ DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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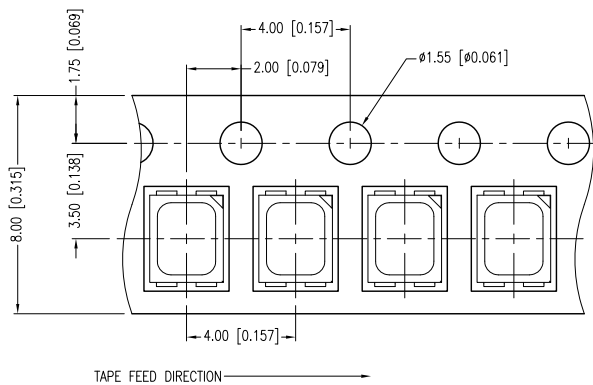
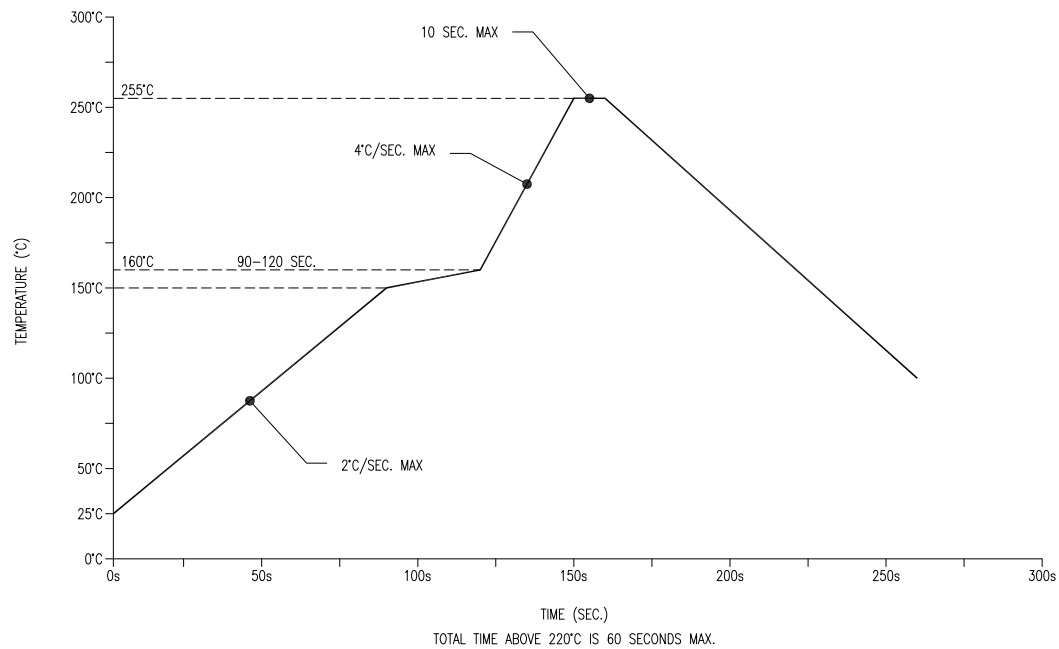
2.8mm x 3.5mm SML /W REFLECTOR CUP, 636nm/525nm/470nm PLCC-4 LED, WATER CLEAR LENS, 2k.

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

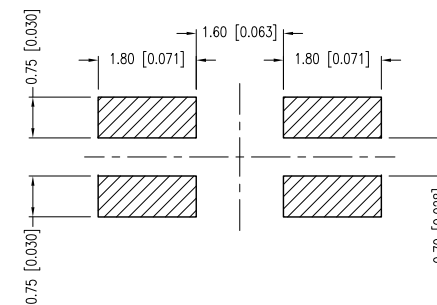
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PAGE:	1 OF 2	CHKD BY:	DT
SCALE:	NTS	APRVD BY:	DT
UNIT:	mm [INCH]		Ⓟ

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, 636nm/525nm/470nm PLCC-4 LED, WATER CLEAR LENS, 2k.

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