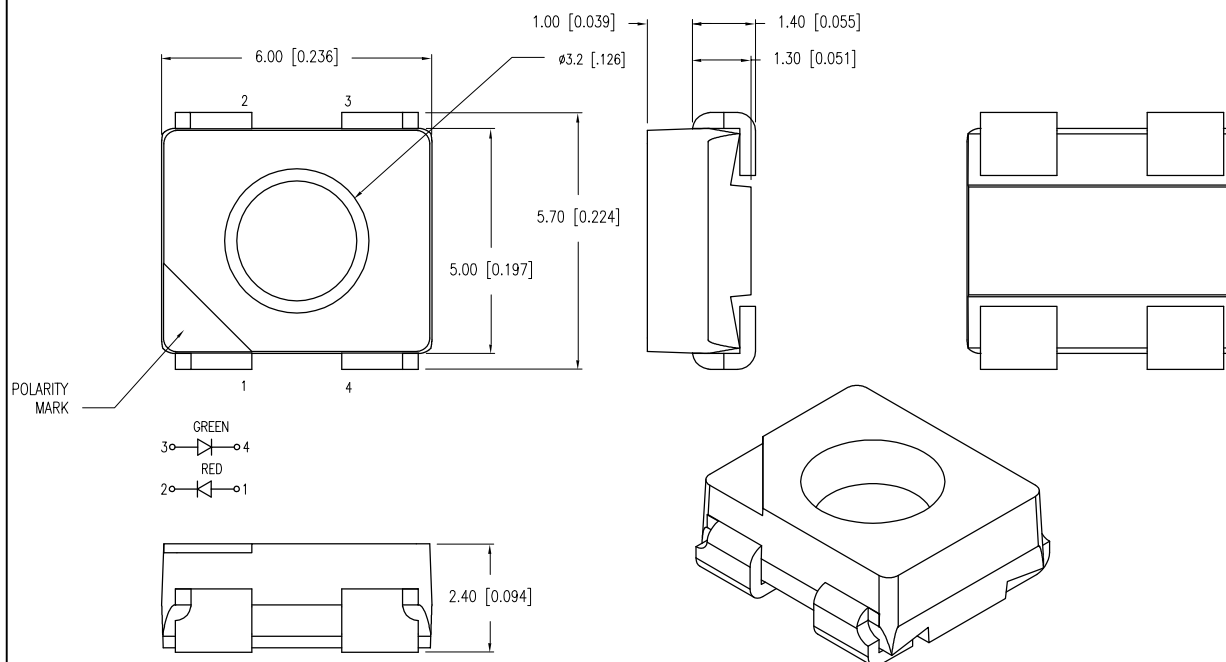


ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		640(RED)		nm	
		520(GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.2/3.2	2.8/4.0	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R/G)	3.5/3.5	4.5/5.0		lm	$I_f=30\text{mA}$
VIEWING ANGLE		100		2x theta	
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	WATER CLEAR LENS				

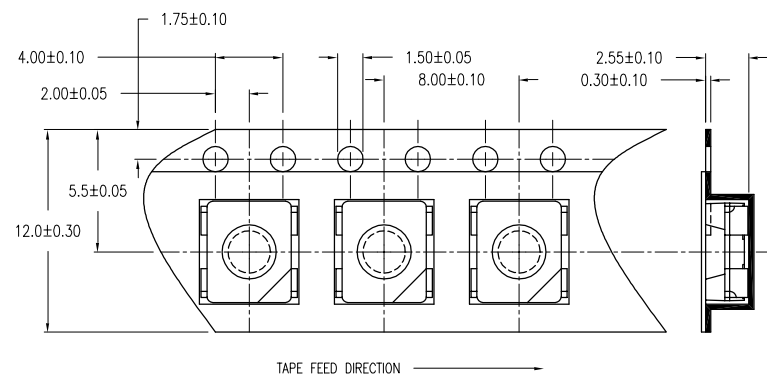
LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G)	150/100	mA
STEADY CURRENT	(R/G)	50/30	mA
POWER DISSIPATION	(R/G)	140/120	mW
DERATE FROM 25°C		-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$

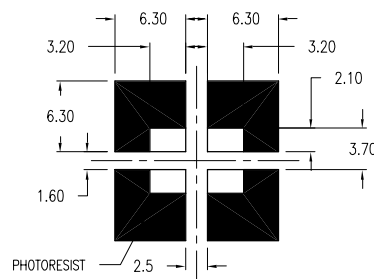
* $t < 10\mu\text{s}$

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

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



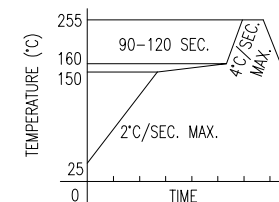
RECOMMENDED SOLDER PAD LAYOUT



RECOMMENDED SOLDERING PATTERN (mm) (TOLERANCES +/-0.1)

LEAD FREE REFLOW PROFILE

10 SEC. MAX.

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.*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=+DECIMAL PRECISION
-0.00MAX.= +0.00
-DECIMAL PRECISION

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5.0mm X 6.0mm BI-COLOR, HYPER RED/GREEN SURFACE MOUNT LED LAMP

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

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DATE: 7.15.10 DRAWN BY: MP
PAGE: 1 OF 1 CHKD BY: KF
SCALE: N/A APRVD BY: BC
UNIT: mm [INCH] (R)

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