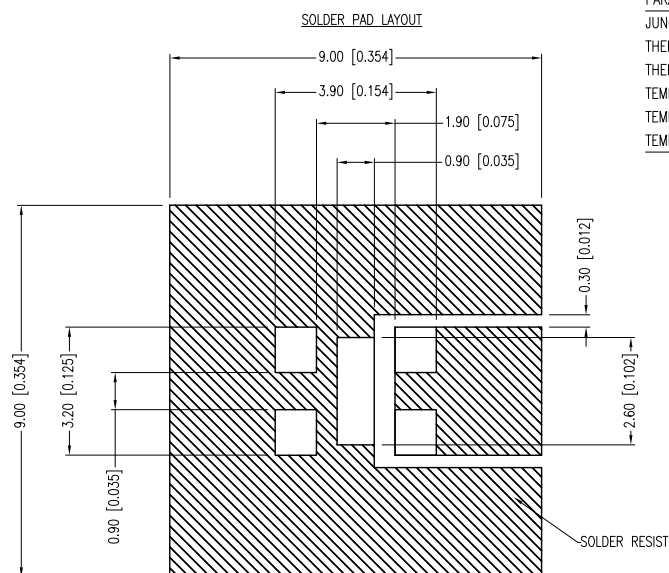
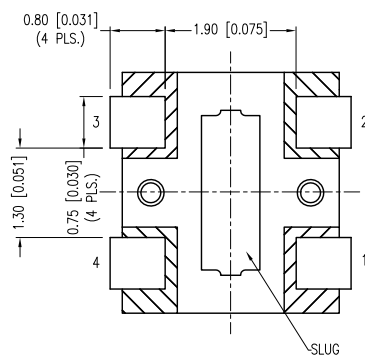
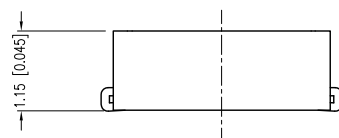
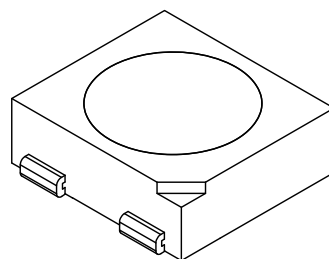
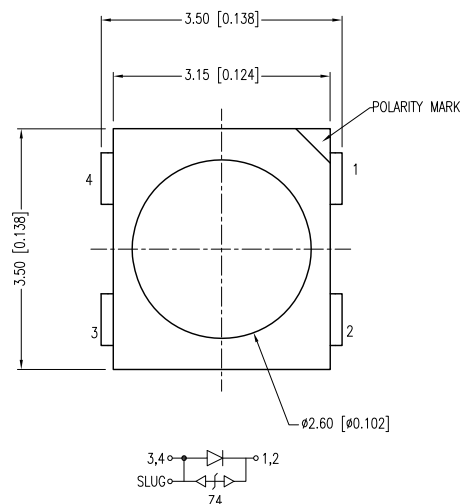


ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ $I_f=150\text{mA}$

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			-		nm	
FORWARD VOLTAGE	V_f	2.7	3.5	4.0	V	$I_f=150\text{mA}$
REVERSE VOLTAGE	V_r	5.0			V	$I_r=10\mu\text{A}$
LUMINOUS FLUX	LM	24	34		lm	$I_f=150\text{mA}$
COLOR TEMP.			4000		K	
AXIAL INTENSITY	I_v	7	10		cd	$I_f=150\text{mA}$
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:		NEUTRAL WHITE				
LENS FINISH:		WATER CLEAR SILICONE RESIN				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	300	mA
STEADY CURRENT	150	mA
POWER DISSIPATION	600	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

*1. 1/8 DUTY@1KHz.

THERMAL PARAMETERS

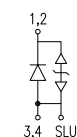
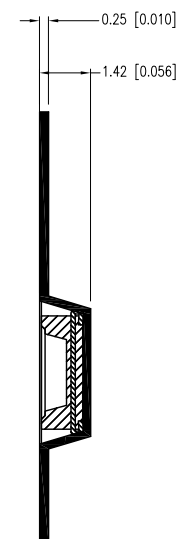
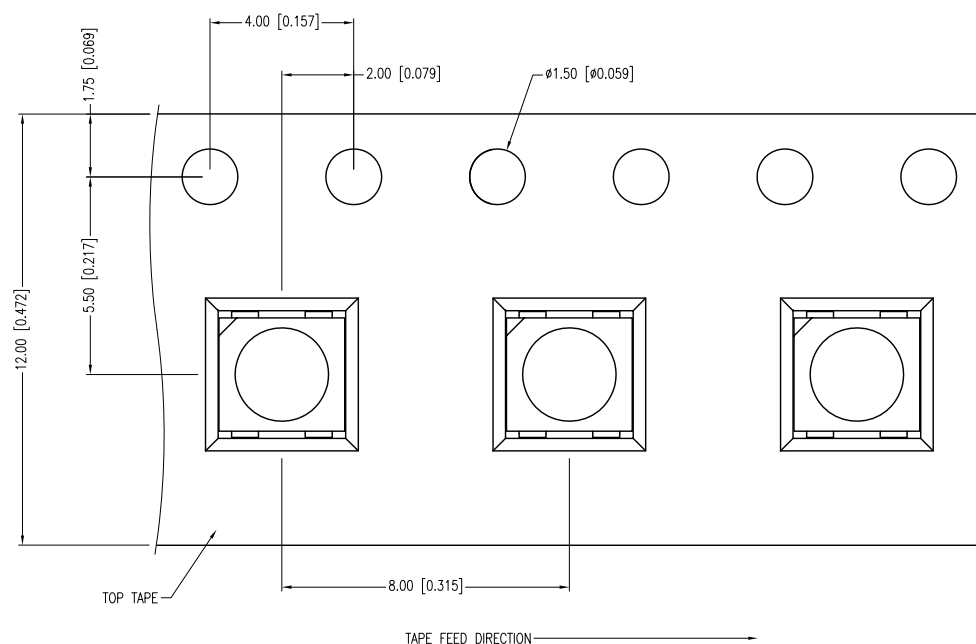
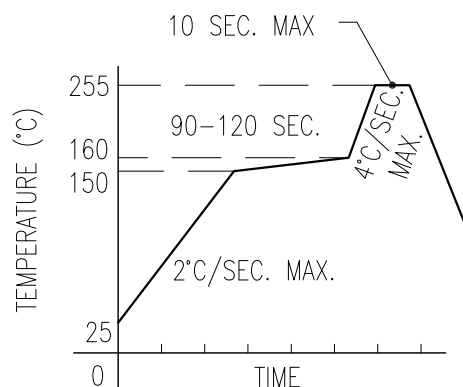
PARAMETER	TYP	MAX	UNITS
JUNCTION TEMPERATURE		110	$^\circ\text{C}$
THERMAL RESISTANCE (JUNCTION/SOLDER)		85	$^\circ\text{C/W}$
THERMAL RESISTANCE (JUNCTION/AMBIENT)		180	$^\circ\text{C/W}$
TEMPERATURE COEFFICIENT OF V_f	-3.1		mV/ $^\circ\text{C}$
TEMPERATURE COEFFICIENT OF X	-0.15		$10^{-3}/^\circ\text{C}$
TEMPERATURE COEFFICIENT OF Y	-0.22		$10^{-3}/^\circ\text{C}$

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2a 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=±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 MAX.= +0.00 -DECIMAL PRECISION

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LEAD FREE REFLOW PROFILE



*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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3.5mm x 3.5mm 0.5W SURFACE MOUNT LED, NEUTRAL WHITE, TAPE AND REEL.

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

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