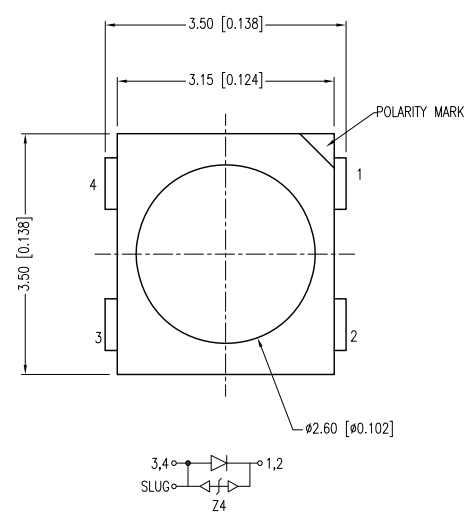
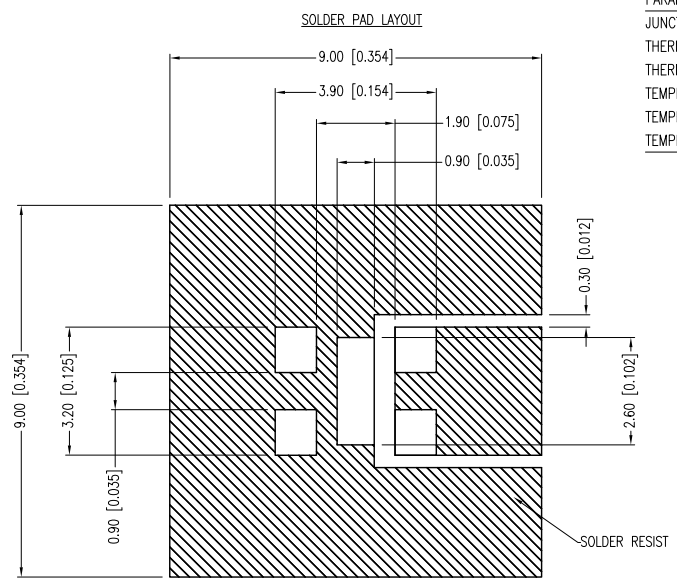
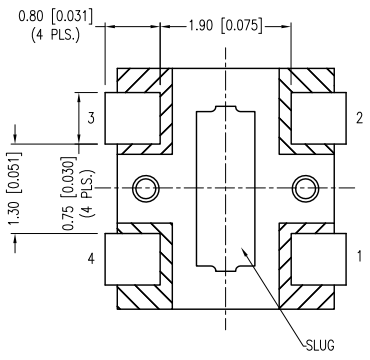
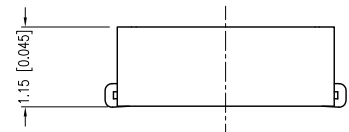


ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=150mA						
PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			-		nm	
FORWARD VOLTAGE	Vf	2.7	3.5	4.0	V	If=150mA
REVERSE VOLTAGE	Vr	5.0			V	Ir=10uA
LUMINOUS FLUX	LM	29	38		lm	If=150mA
COLOR TEMP.			6000		K	
AXIAL INTENSITY	Iv	8	12		cd	If=150mA
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:	COOL 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/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

*1. 1/8 DUTY@1KHz.

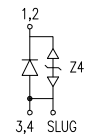
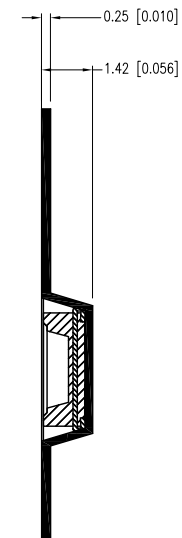
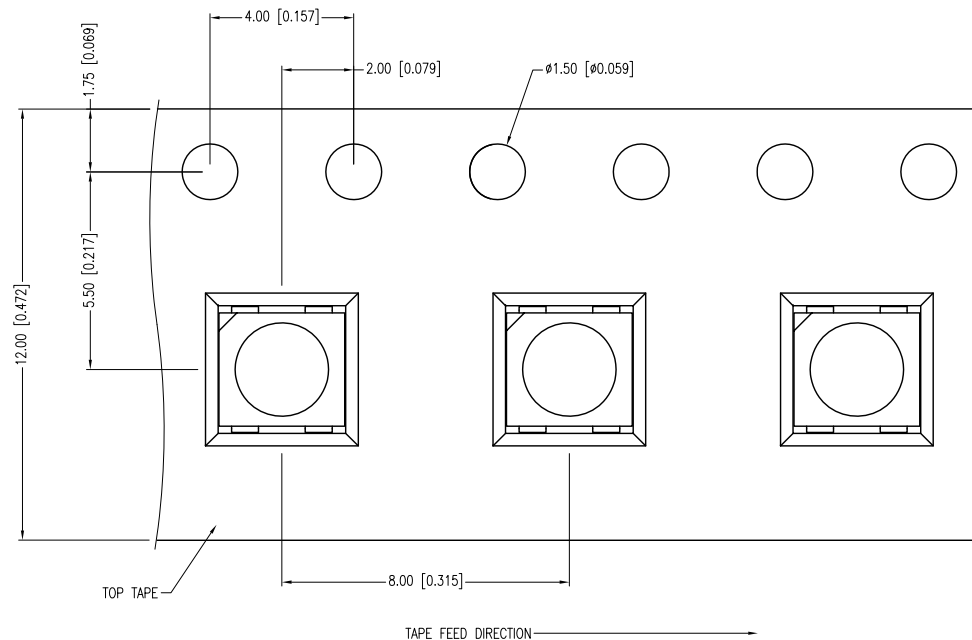
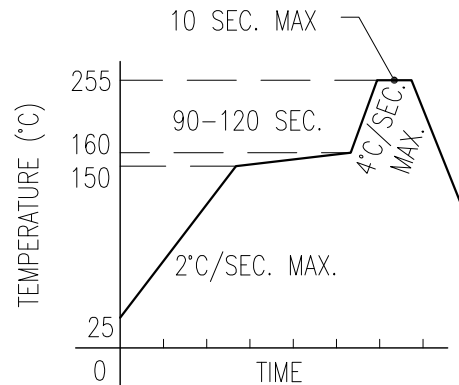
THERMAL PARAMETERS			
PARAMETER	TYP	MAX	UNITS
JUNCTION TEMPERATURE		110	°C
THERMAL RESISTANCE (JUNCTION/SOLDER)		85	°C/W
THERMAL RESISTANCE (JUNCTION/AMBIENT)		180	°C/W
TEMPERATURE COEFFICIENT OF Vf	-3.1		mV/°C
TEMPERATURE COEFFICIENT OF X	-0.15		10 ⁻³ /°C
TEMPERATURE COEFFICIENT OF Y	-0.22		10 ⁻³ /°C



CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2a STANDARDS

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

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}

UNCONTROLLED DOCUMENT

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MEMBER OF ITW PHOTONICS GROUP

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

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

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