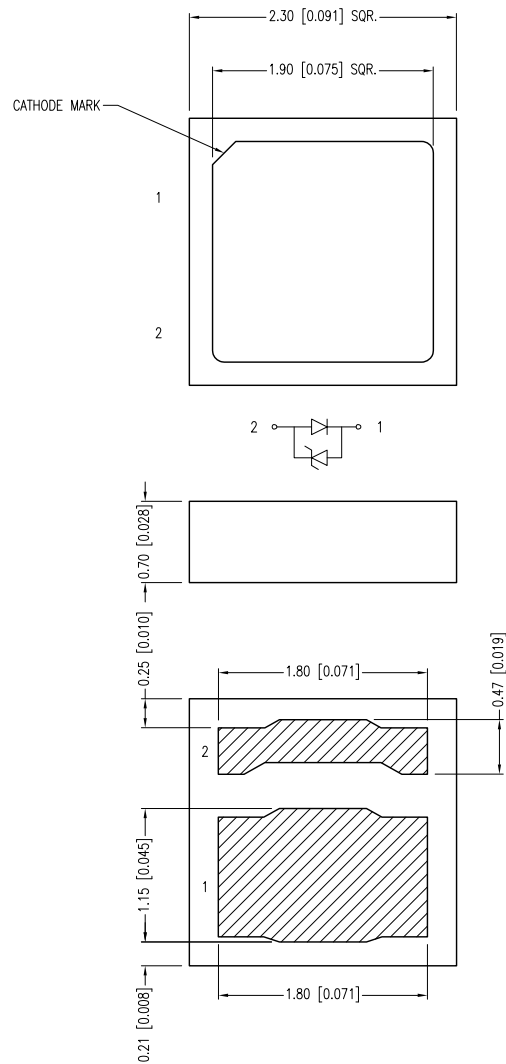


ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=150mA

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			-		nm	
FORWARD VOLTAGE	Vf		3.3	3.5	Vf	
REVERSE VOLTAGE	Vr	5.0			Vr	Ir=100μA
LUMINOUS FLUX		52	58	60	lm	If=150mA
COLOR TEMPERATURE		5700	5850	6020	°K	
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:	COOL WHITE					
LENS FINISH:	WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
DC FORWARD CURRENT	180	mA
STEADY CURRENT	300	mA
POWER DISSIPATION	500	mW
DERATE FROM 25°C	-1.25	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +100	°C

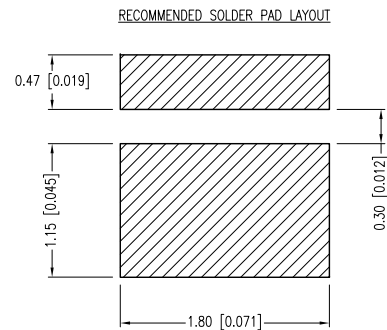
THERMAL PARAMETERS

PARAMETER	VALUE	UNITS
JUNCTION TEMPERATURE	115	°C
THERMAL RESISTANCE	20	°C/W

CIE X	CIE Y
0.321	0.335
0.322	0.324
0.329	0.331
0.329	0.342

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

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 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= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT



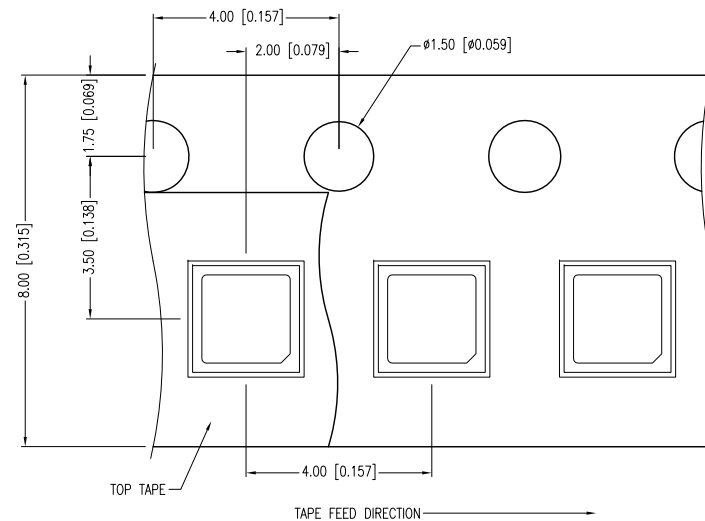
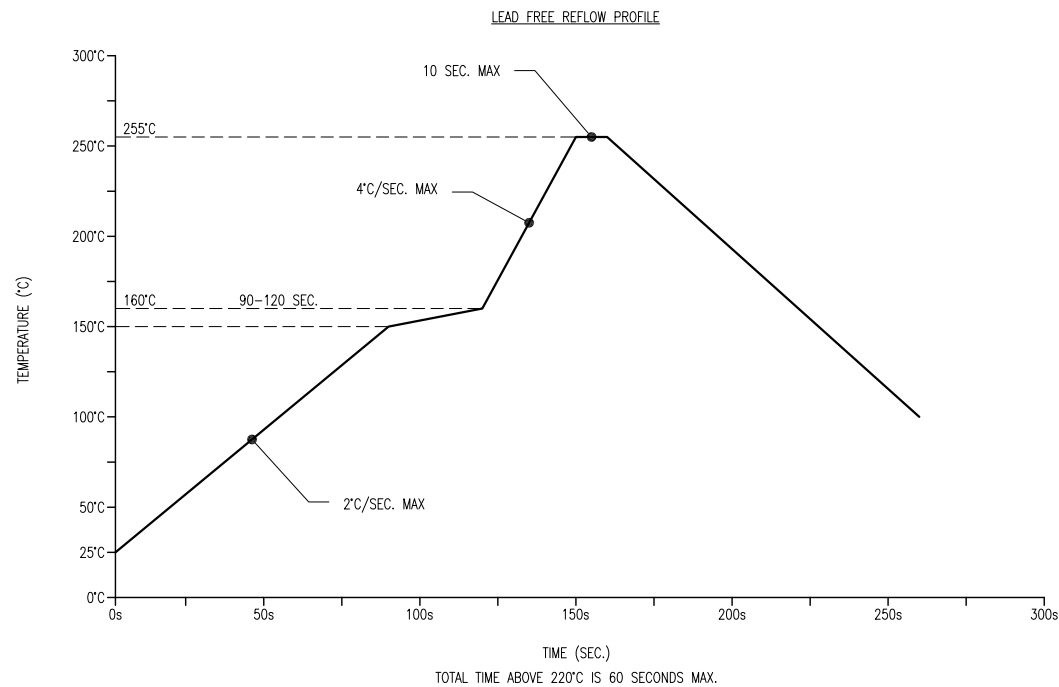
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MEMBER OF ITW PHOTONICS GROUP

2.3 x 2.3mm 0.5W SMT LED, COOL WHITE, WATER CLEAR, TAPE & REEL.

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

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DATE:	10.22.12	DRAWN BY:	AB
PAGE:	1 OF 2	CHKD BY:	DT
SCALE:	NTS	APRVD BY:	DT
UNIT:	mm [INCH]		Ⓟ

NOTES:

1. 4,000 PCS. PER REEL.

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