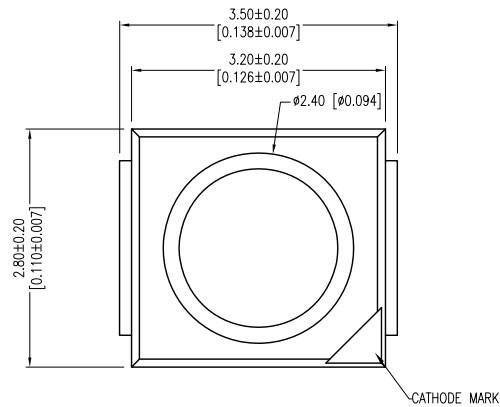
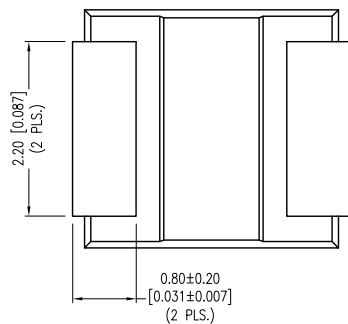
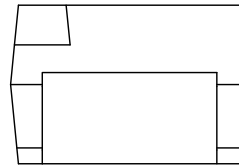
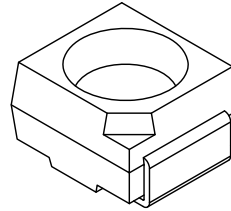
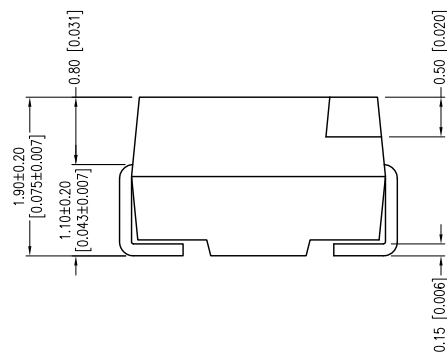
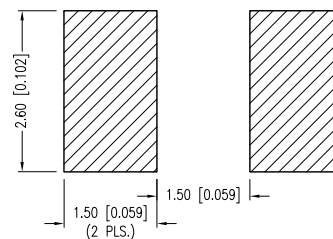




ANODE  CATHODE



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If=20mA

PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
FORWARD VOLTAGE	2.90		3.60	Vf	If=20mA
REVERSE VOLTAGE	5.0			Vr	Ir=10µA
AXIAL INTENSITY	2000		2400	mcd	If=20mA
CHROMATICITY (X)		0.38			If=20mA
COORDINATES (Y)*		0.38			If=20mA
COLOR TEMP.		4000		K	
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	NEUTRAL WHITE				
EPOXY LENS FINISH:	WATER CLEAR				

*THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I _P	100	mA
STEADY CURRENT	I _F	30	mA
POWER DISSIPATION	P _D	110	mW
OPERATING TEMP.	T _{OPR}	-40 TO +85	°C
STORAGE TEMP.	P _{STG}	-40 TO +90	°C

*DUTY 1/10 PULSE WIDTH 10ms

A CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

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

CHROMATICITY COORDINATES (CIE) If=20mA

X	Y
0.3871	0.3959
0.3736	0.3874
0.3703	0.3726
0.3828	0.3803

*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



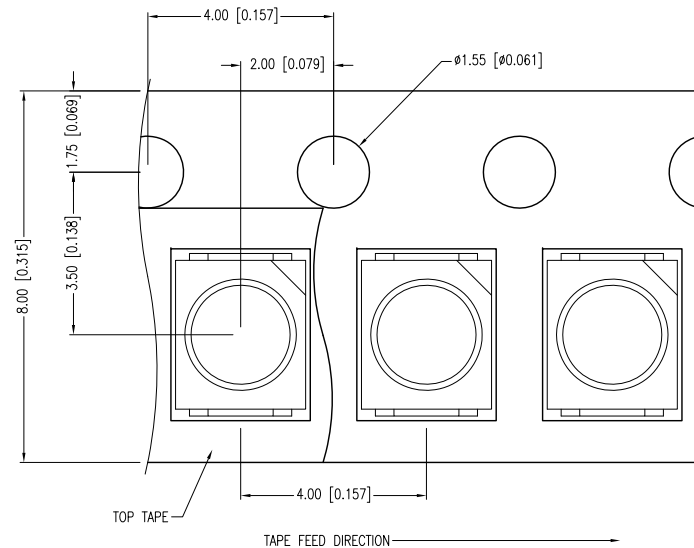
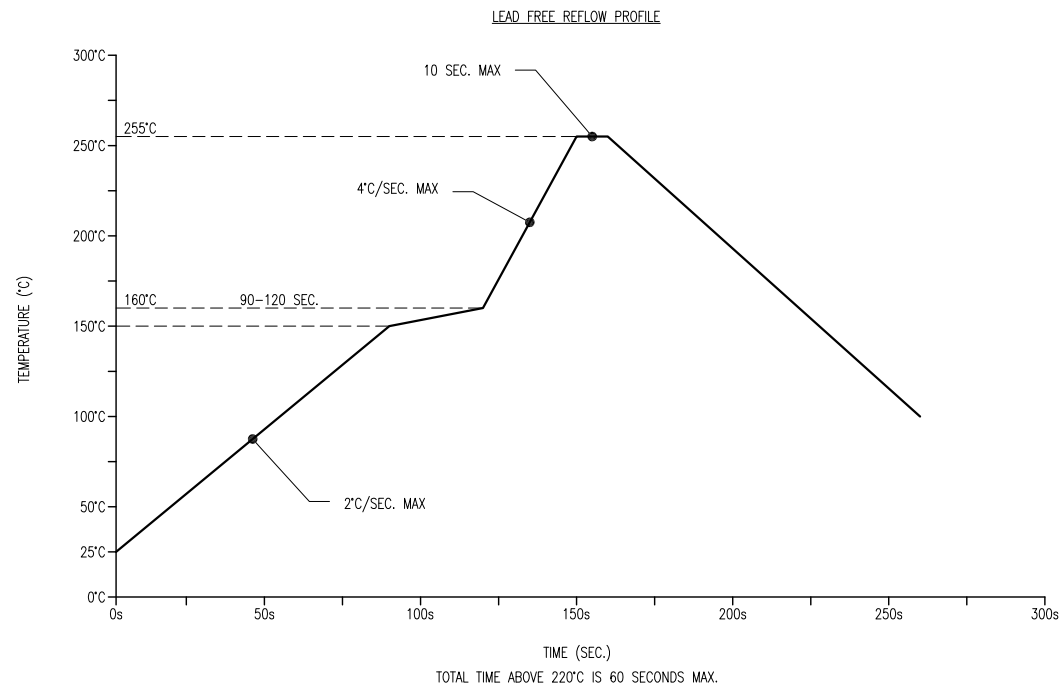
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MEMBER OF ITW PHOTONICS GROUP

2.8mm X 3.2mm SML /W REFLECTOR, NEUTRAL WHITE LED, WATER CLEAR LENS, 2,000 PCS PER TAPE & REEL.

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

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DATE:	03.19.13	DRAWN BY:	MA
PAGE:	1 OF 2	CHKD BY:	DT
SCALE:	NTS	APRVD BY:	DT
UNIT:	mm [INCH]		Ⓟ



NOTES:

1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

*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= ^{+0.00}/_{-0.00} DECIMAL PRECISION MAX.= ^{+0.00}/_{-0.00} DECIMAL PRECISION

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