

ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA						
PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
FORWARD VOLTAGE	Vf		3.1	3.2	Vf	
REVERSE VOLTAGE	Vr	5.0			Vr	Ir=100μA
LUMINOUS FLUX*	Iv	19	20.5	21.5	lm	
COLOR TEMPERATURE		6500	6950	7400	K	
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:	COOL WHITE					
LENS FINISH:	WATER CLEAR					

*LUMINOUS FLUX TESTING CONDITION 550nm WAVELENGTH.

LIMITS OF SAFE OPERATION AT 25°C

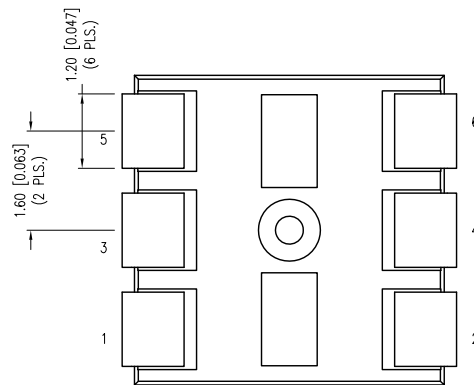
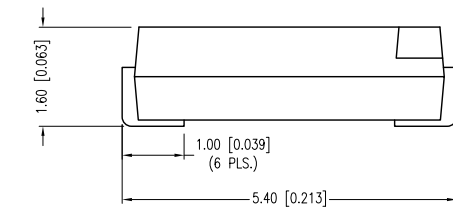
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	80	mA
POWER DISSIPATION	315	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-30 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

* t<10μs

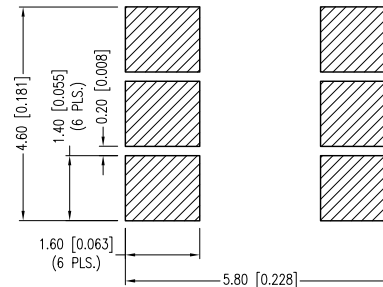
ZENER DIODE

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
REVERSE LEAKAGE CURRENT			0.5	μA	Vr=5V
ZENER VOLTAGE	5.8	6.3	6.8	V	Iz=5mA
FORWARD VOLTAGE			1.2	V	If=20mA

COLOR	CIE-X	CIE-Y
COOL WHITE	0.3895	0.3820
	0.3740	0.3730
	0.3705	0.3573
	0.3846	0.3660

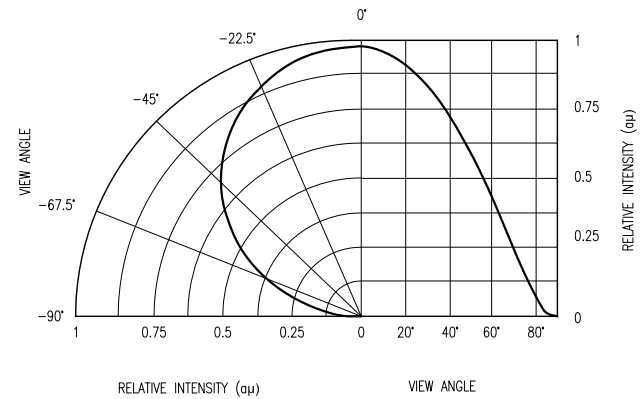
CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDSCAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

RECOMMENDED SOLDER PAD LAYOUT



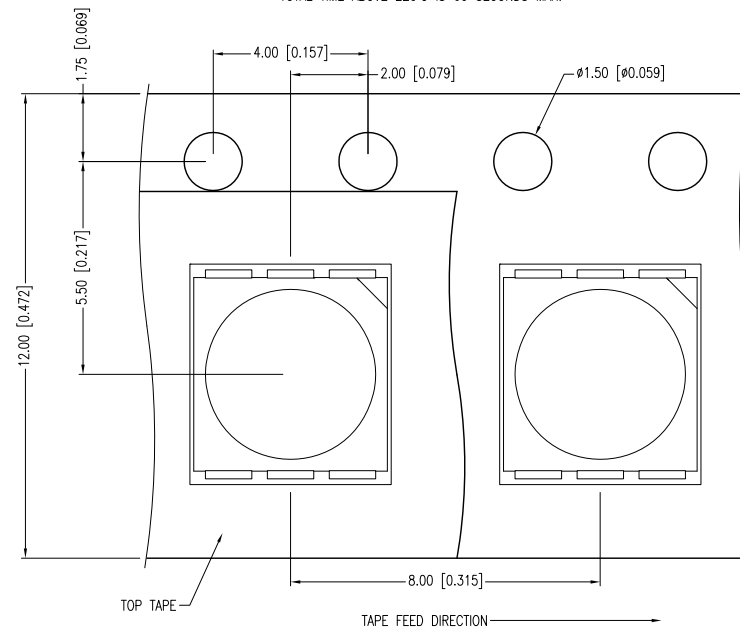
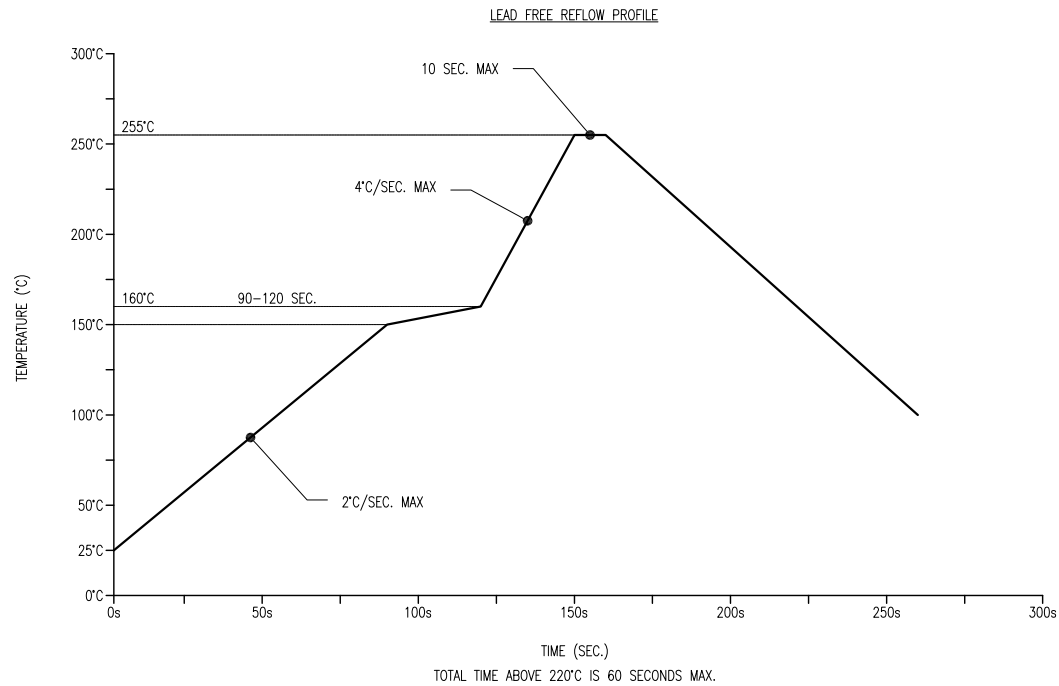
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

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DATE: 6.28.12	DRAWN BY: AB
PAGE: 2 OF 3	CHKD BY: DT
SCALE: NTS	APRVD BY: DT
UNIT: mm [INCH]	(Pb)

NOTES:

1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
2. 1,000 PIECES PER REEL.

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5.0x5.0mm SML W/REFLECTOR, 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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