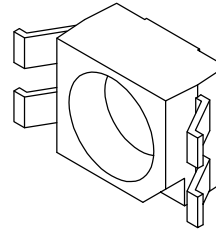
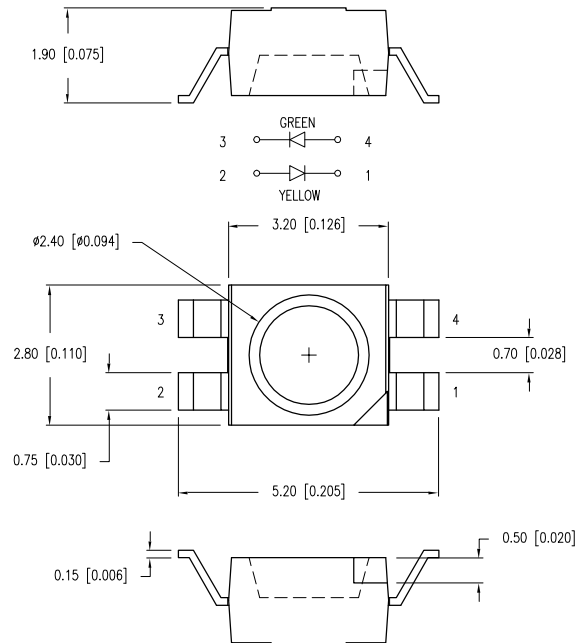


PART NUMBER	SML-LX2832YGC-TR31	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.07.10	E.C.N. #11627.		A

ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$

PARAMETER	COLOR	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			585		nm	
			565		nm	
FORWARD VOLTAGE	(Y/G)		2.1/2.2	2.5/2.6	V_f	
REVERSE VOLTAGE		5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY	(Y/G)		15/25		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE			120		2θ	
EMITTED COLOR:	YELLOW/GREEN					
EPOXY LENS FINISH:	WATER CLEAR					

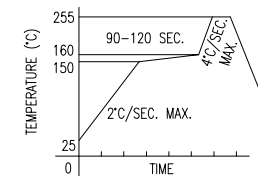
LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30/25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.6	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

* $t < 10\mu\text{s}$

LEAD FREE REFLOW PROFILE

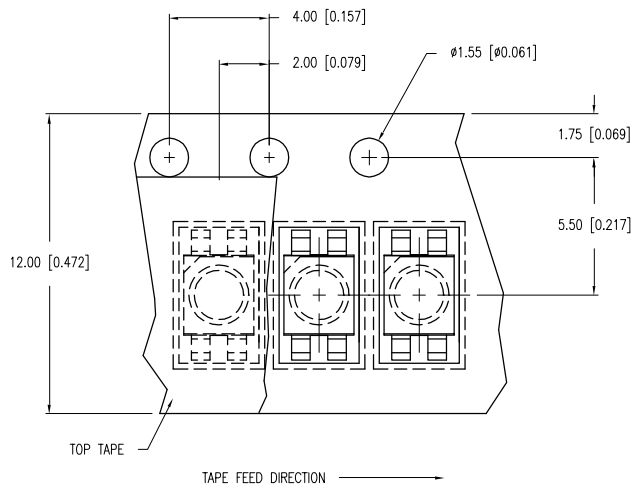
10 SEC. MAX.

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

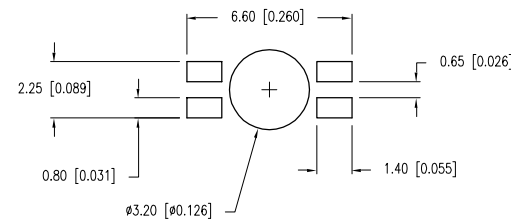
NOTES:

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

[A] CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS



RECOMMENDED SOLDER PAD LAYOUT



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