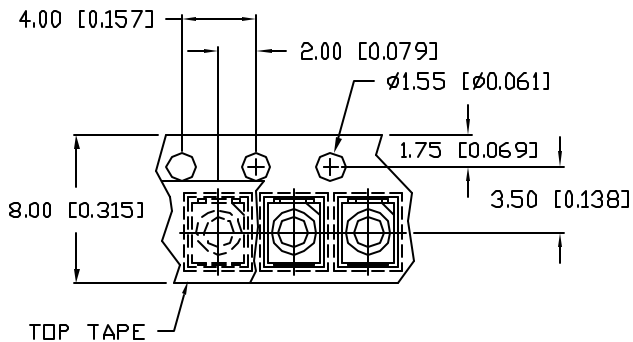
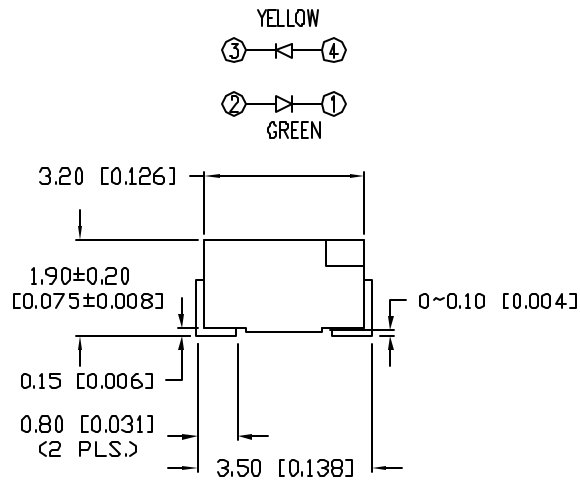
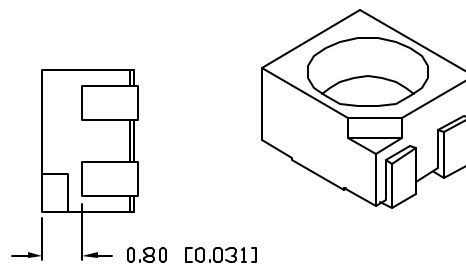
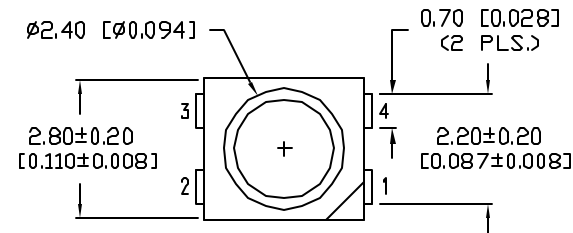


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REPLACES PART #: SML-LX2832GYC(-TR)

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

PART NUMBER		REV.
SML-LX2832GYC-TR		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10967.	3.14.03
B	E.C.N. #11148.	2.8.05

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

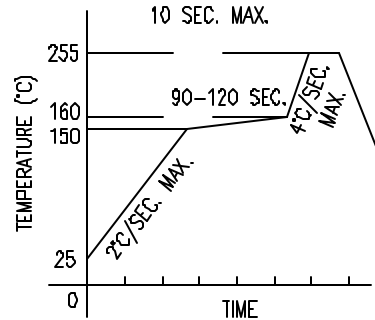
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
		585 (YELLOW)		nm	
FORWARD VOLTAGE (G/Y)		2.2/2.1	2.6/2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY (G/Y)		15/25		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		120		$2x$ theta	
EMITTED COLOR:	GREEN/YELLOW		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

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

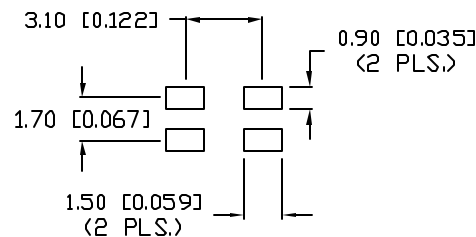
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		160	mA
STEADY CURRENT	(G/Y)	25/30	mA
POWER DISSIPATION		100	mW
DERATE FROM 25°C		-1.2	$\text{mW}/^\circ\text{C}$
OPERATING TEMP.		-25 TO +85	$^\circ\text{C}$
STORAGE TEMP.		-30 TO +85	$^\circ\text{C}$

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

LEAD FREE REFLOW PROFILE

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT



NOTES:

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



CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

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REV.	PART NUMBER
B	SML-LX2832GYC-TR

2.8mm x 3.2mm SURFACE MOUNT WITH REFLECTOR CUP,
DUAL CHIP, 565nm GREEN LED AND 585nm YELLOW LED,
WATER CLEAR LENS, 2K PER REEL.

CONFIDENTIAL INFORMATION
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RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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			SCALE: N/A