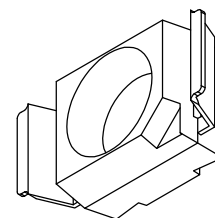
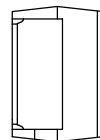
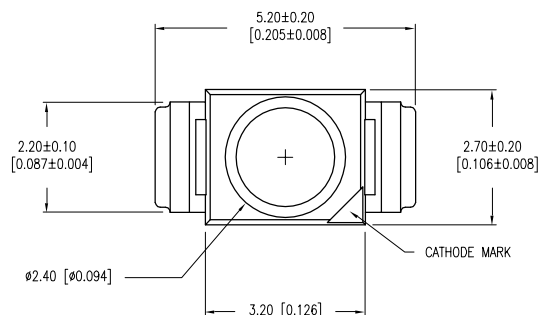


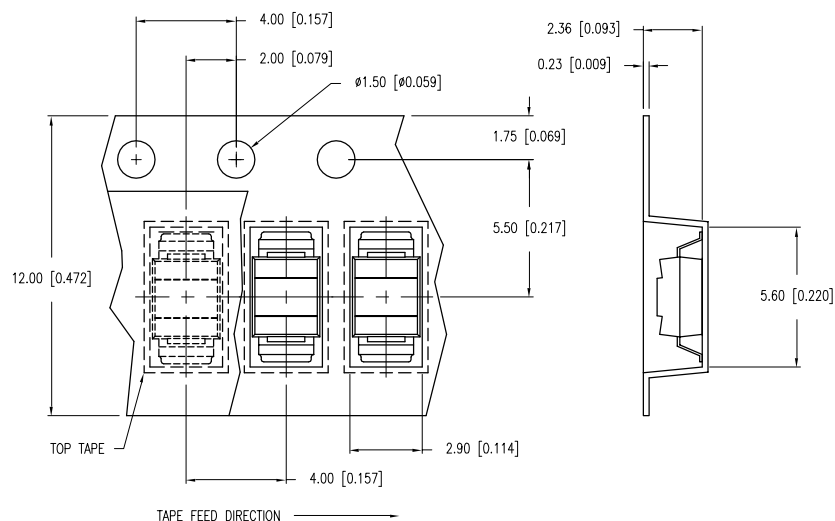
PART NUMBER	SML-LX2832SRC-TR31	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
02.08.05	E.C.N. #11148.		A
10.17.07	E.C.N. #11450.		B
05.07.10	E.C.N. #11627		C



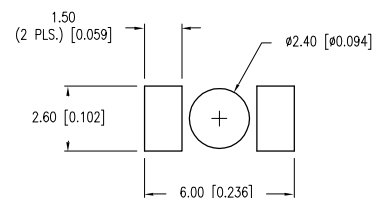
ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		1.7	2.4	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		40		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		130		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	40	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.6	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

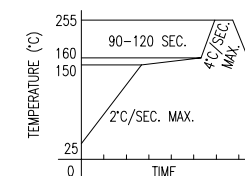
* $t < 10\mu\text{s}$ 

B RECOMMENDED SOLDER PAD LAYOUT



A 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.

C CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

*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 = ± 0.00 DECIMAL PRECISION, MAX = ± 0.00 DECIMAL PRECISION.