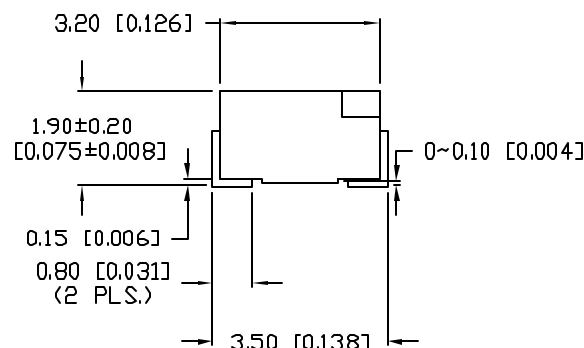
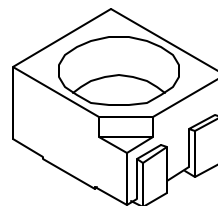
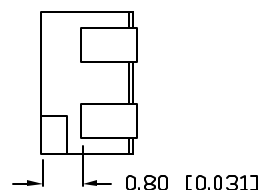
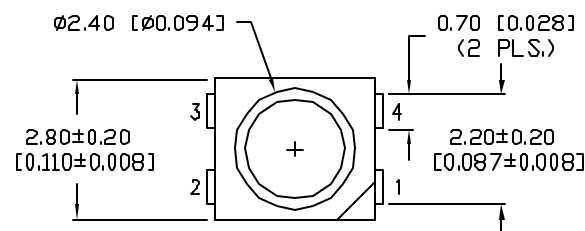
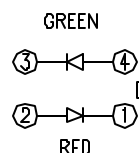


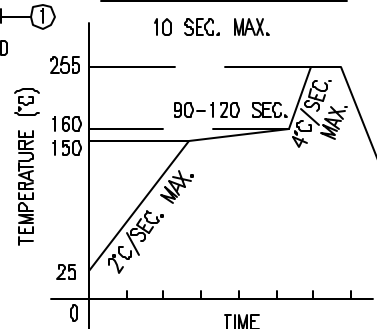
UNCONTROLLED DOCUMENT



POLARITY: TOP VIEW

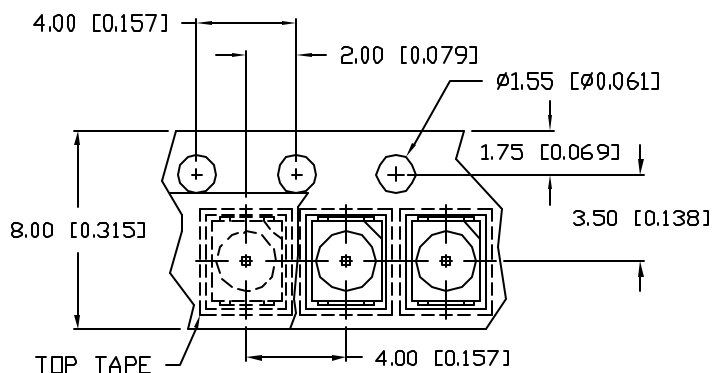
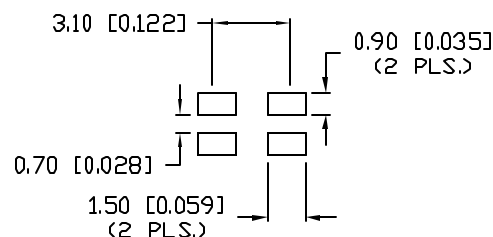


LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT



TAPE FEED DIRECTION

REPLACES PART #:SML-LX2832IGC(-TR)

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

PART NUMBER
SML-LX2832IGC-TR

REV.

D

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
C	E.C.N. #114450.	10.17.07
D	E.C.N. #11511.	06.20.08

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.0/2.2	2.5/2.6	Vf	
REVERSE VOLTAGE	5.0			Vr	If=100µA
AXIAL INTENSITY		25		mcd	If=20mA
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	RED/GREEN				
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	(R/G)	30/25	mA
POWER DISSIPATION		100	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING TEMP.		-25 TO +85	°C
STORAGE TEMP.		-30 TO +85	°C

* t<10µs

NOTES:

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

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

UNCONTROLLED DOCUMENT

REV.

D

PART NUMBER

SML-LX2832IGC-TR

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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2.8mm x 3.2mm SURFACE MOUNT WITH REFLECTOR CUP,
DUAL CHIP, 635nm RED LED AND 565nm GREEN LED,
WATER CLEAR LENS, 2K PER REEL

DRAWN BY:

GT

CHECKED BY:

APPROVED BY:

DATE: 9.28.00

PAGE: 1 OF 1

SCALE: N/A