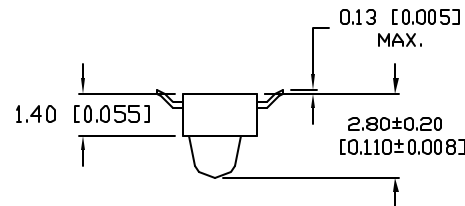
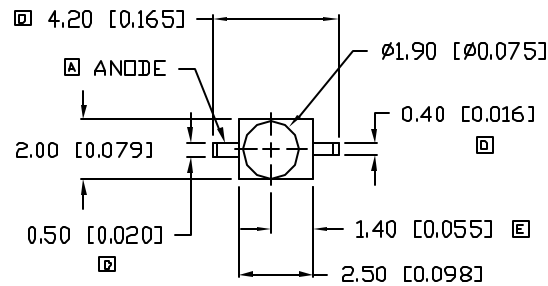
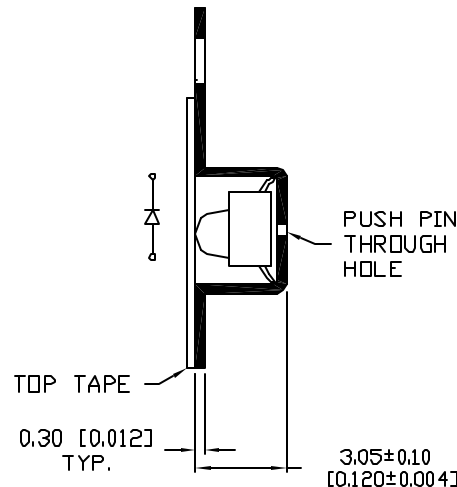
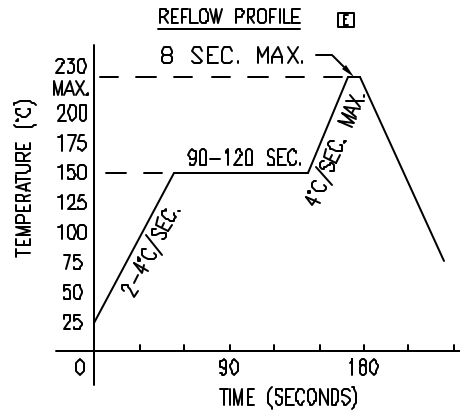
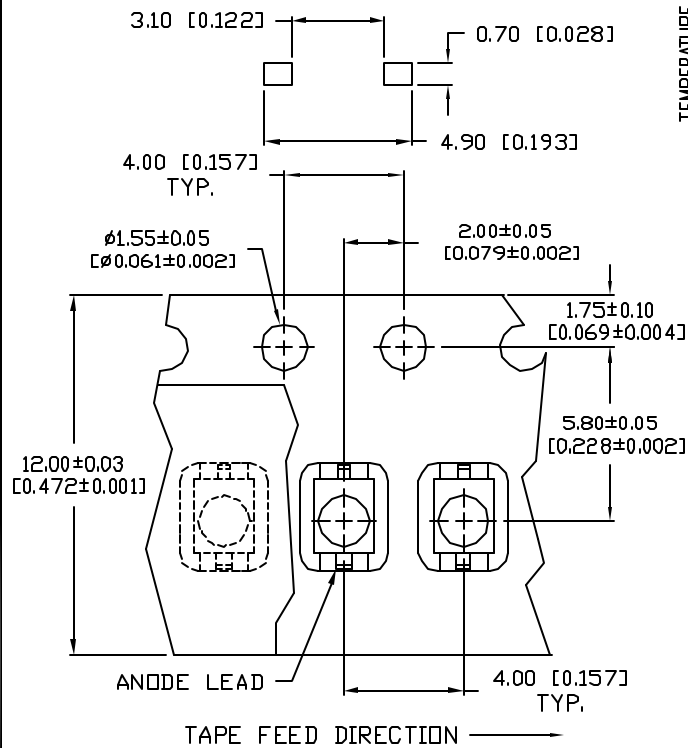


UNCONTROLLED DOCUMENT



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).

PART NUMBER
SSL-LXA228SRD-TR11

REV.
I

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN, CHG'D SPECS.	8-3-94
B	CHG'D WHERE NOTED./	11-29-94
C	CHG'D LENS LOCATION TO FIT SR STYLE.	10-12-95
D	ADDED LEAD WIDTHS, UPDATED LEAD O.A.L./	11-7-95
E	E.C.N. #10550. & #10BRDR.	10-21-99
F	E.C.N. #10743.	5.31.01
G	E.C.N. #10784.	9.7.01
H	E.C.N. #11146.	7.8.04
I	E.C.N. #11148.	11.15.06

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	2.2	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		150		mcad	$I_f=20\text{mA}$
VIEWING ANGLE		50		2x theta	
EMITTED COLOR:	SUPER RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	60	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

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

NOTES:

1. 1K PER REEL.
2. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

UNCONTROLLED DOCUMENT

LEAD SIZE: ±0.05 (UNITS) LEAD SPACING: ±0.25 (UNITS) LEAD LENGTH: ±0.25 (UNITS) LEAD THICKNESS: ±0.02 (UNITS) LEAD WIDTH: ±0.02 (UNITS)

REV.

I

PART NUMBER

SSL-LXA228SRD-TR11

AXIAL LED, 660nm SUPER RED LED, RED DIFFUSED LENS,
GULL WING LEADS, TAPE AND 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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