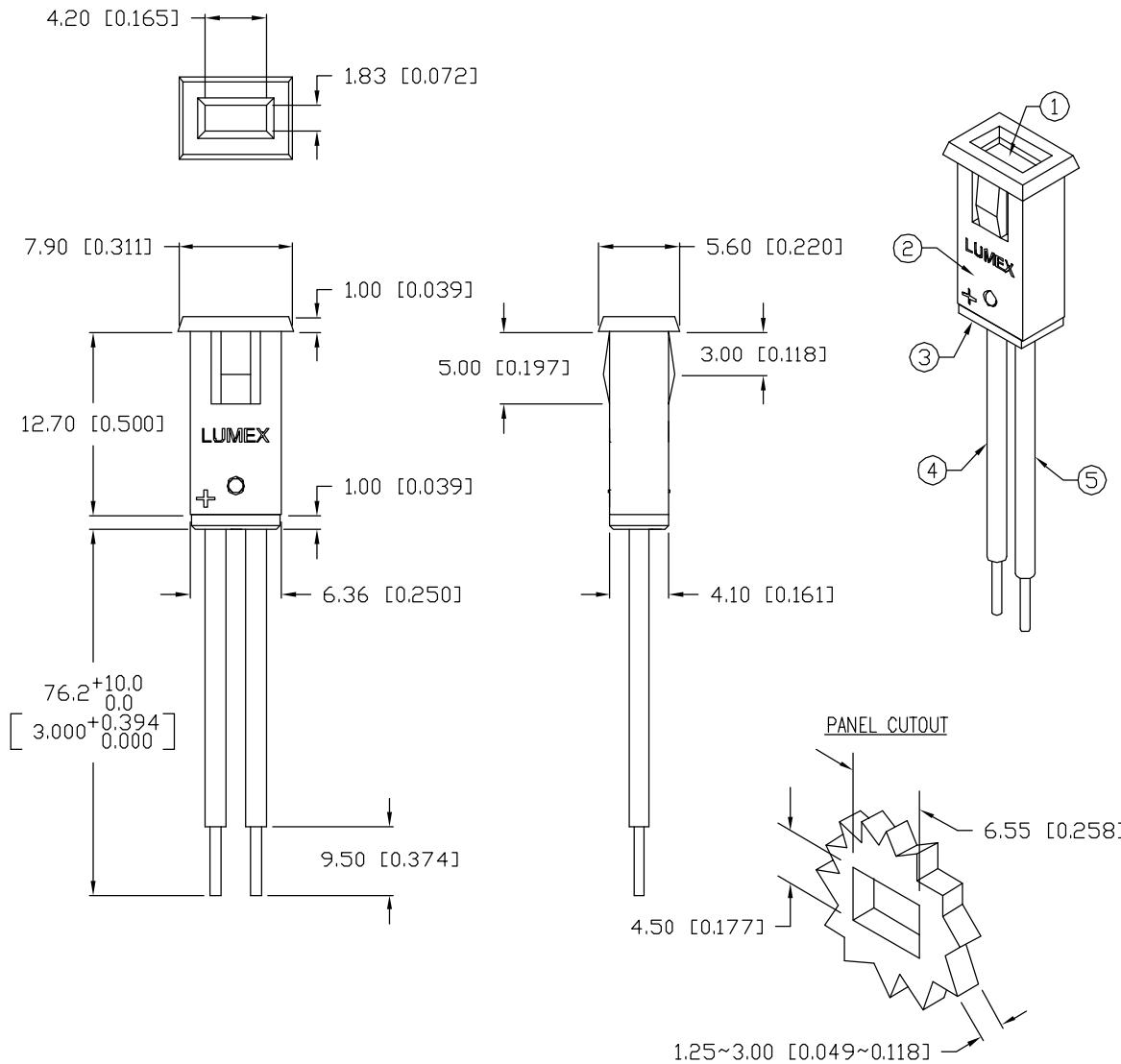


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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (± 0.039), X.X=±0.5 (± 0.020), X.XX=±0.25 (± 0.010), X.XXX=±0.127 (± 0.005). LEAD SIZE=±0.05 (± 0.002), LEAD LENGTH=±0.75 (± 0.030). MIN= $^{+0.00}$ MAX= $^{+0.00}$ DECIMAL PRECISION

REV.

D

PART NUMBER

SSI-LXMP059IGW-75

RED/GREEN RECTANGULAR LED PANEL INDICATOR,
MILKY WHITE DIFFUSED LENS, 3" WIRE LEADS.

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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.

PART NUMBER

SSI-LXMP059IGW-75

REV.

D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHANGED DIM.	3.22.93
B	REDRAWN, UPDATED SPECS.	1.17.95
C	E.C.N. #10122.	7.8.96
D	E.C.N. #10BRDR. & REDRAWN IN 3D.	1.7.02

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

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	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		10		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		110		2x theta	
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/G)	30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$

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

NOTES:

1. SSL-LX2573IGW, RED/GREEN LED, TRIM LEADS TO 3~4mm LONG.
2. SSH-LXMP059-HSC, BLACK HOLDER.
3. SSH-LXMP059-BSC2, BUSHING.
4. RED ANODE: LXP-WST24RDT0C, RED INSULATED, 24 AWG., CUT 80mm, STRIP 3mm & 9.5mm.
5. GREEN ANODE: LXP-WST24BLTOC, BLACK INSULATED, 24 AWG., CUT 80mm, STRIP 3mm & 9.5mm.
6. CRIMP OR SOLDER LEAD WIRES TO LED AND ASSEMBLE INTO HOUSING.

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