



We Tame Photons to Work for You!



Products > LEDs > Thru-Hole > Rectangular > 4mm x 6mm



Features / Options

- ▶ State-of-the-Art, High Brightness Chip Technology
- ▶ Choice of Colors and Lens Finishes
- ▶ Lead Frame / Lens Casting Reliability
- ▶ Easy-to-Solder Leads, Tin Finish
- ▶ Available Bulk or on Tape and Reel
- ▶ Lead Trimming and Forming Available
- ▶ Custom Shapes, Easily Tooled, Low Minimum

Applications / Uses

- ▶ Board or Panel Indication or Illumination
- ▶ Annunciator and Control Panels
- ▶ Telecom Switches and Central Station Equipment
- ▶ Large Panel Indicators

Part Number:	Brightness	Dice Material	Emitted Color	Peak Wavelength	Epoxy Lens	Operating Typ Vf (V)	Intensity Typ, mcd @ 20 mA	View Angle 2x Theta		
SSL-LX4673AD-LA20	HIGH	GaAsP	Amber	610	Diffused	2.0	20	100		—
SSL-LX4673GD-LA20	STANDARD	GaP	Green	565	Diffused	2.1	6	100		—
SSL-LX4673HGW-LA20	STANDARD	GaP	Red/Green	700	White Diffused	2	5	110		—
SSL-LX4673ID-LA20	STANDARD	GaAsP	Red	635	Diffused	2.0	12	100		—
SSL-LX4673OD-LA20	STANDARD	GaP	Red	695	Diffused	2.0	12	20		—
SSL-LX4673SID-LA20	HIGH	AlInGaP	Red	636	Diffused	2.0	100	100		—
SSL-LX4673SOD-LA20	HIGH	AlInGaP	Orange	610	Diffused	2.0	100	100		—
SSL-LX4673SRD-LA20	STANDARD	GaAlAs	Red	660	Diffused	1.7	60	100		—
SSL-LX4673SUGD-LA20	HIGH	AlInGaP	Green	574	Diffused	2.2	50	100		—
SSL-LX4673SYD-LA20	HIGH	AlInGaP	Yellow	590	Diffused	2.0	100	100		—

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PART NUMBER
SSL-LX4673ID-LA20REV.
C

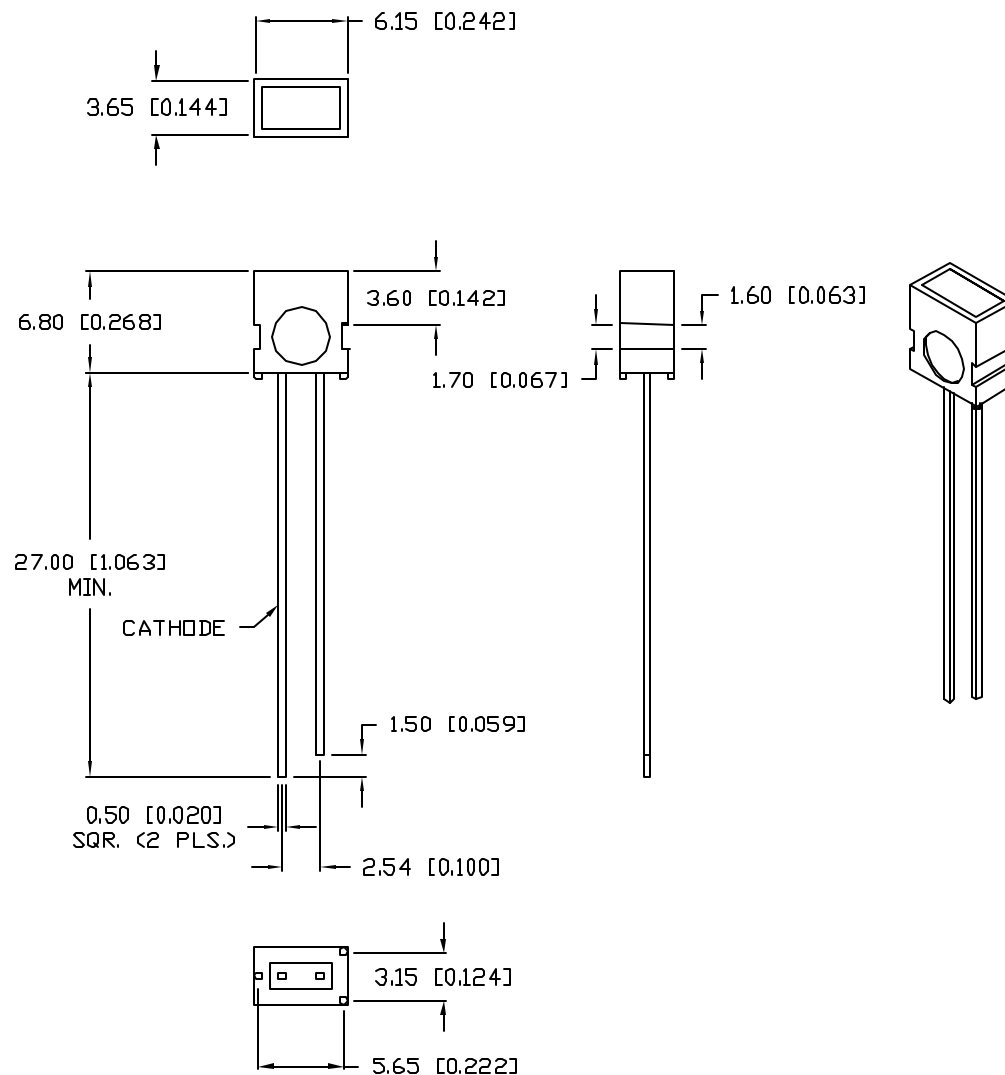
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN AND UPDATED SPECS.	7.25.94
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	7.10.01
C	E.C.N. #11148.	2.19.05

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		12		med	$I_f=20\text{mA}$
VIEWING ANGLE		100		$2\times\theta$	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

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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.=^{+DECIMAL PRECISION}-0.00, MAX.=^{+0.00}-DECIMAL PRECISION

REV.

C

PART NUMBER

SSL-LX4673ID-LA20

4mm x 7mm RECTANGULAR LED,
635nm RED LED, RED DIFFUSED EPOXY.

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.



DRAWN BY:

BC

CHECKED BY:

APPROVED BY:

DATE: 8.20.92

PAGE: 1 OF 1

SCALE: N/A