



We Tame Photons to Work for You!



Products > LEDs > Thru-Hole > Rectangular > 2mm x 5mm > Bi-Color LED



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

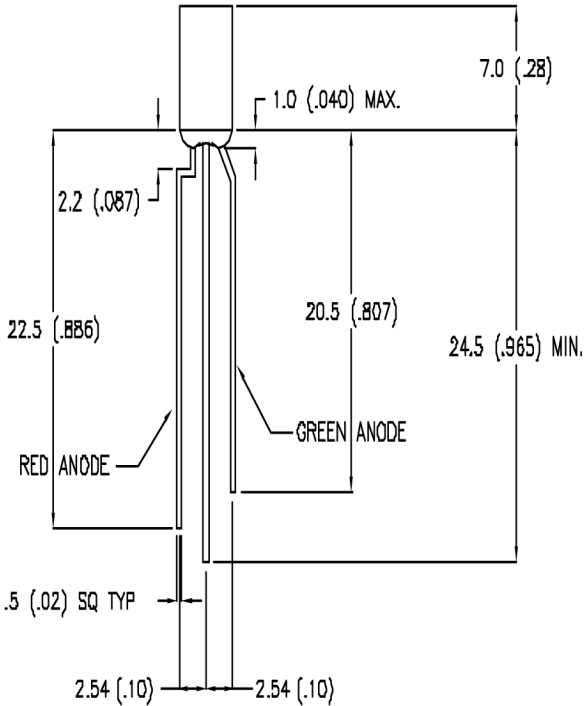
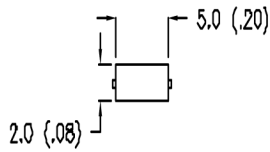
Applications / Uses

- ▶ 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-LX2579GIW	STANDARD	GaP/GaAsP	Green/Red	565	White Diffused	2.1	8	110		—
SSL-LX2579HGW	STANDARD	GaP/GaP	Red/Green	695	White Diffused	2.1	8	110		—
SSL-LX2579IGW	STANDARD	GaAsP/GaP	Red/Green	635	White Diffused	2.1	14	110		—
SSL-LX2579SISUGW	HIGH	AlInGaP/AlInGaP	Red/Green	636	White Diffused	2.0/2.2	50	110		—
SSL-LX2579SISYW	HIGH	AlInGaP/AlInGaP	Red/Yellow	636	White Diffused	2.0/2.0	50	110		—
SSL-LX2579SYSUGW	HIGH	AlInGaP/AlInGaP	Yellow/Green	590	White Diffused	2.0/1.8	50	110		—
SSL-LX2579YGW	STANDARD	GaAsP/GaP	Yellow/Green	585	White Diffused	2.1	8	60		—

DATE	REVISIONS	REV
1-12-95	UPDATED SPECS., ADDED LEADS IN TOP VIEW./	A

DRAWING NUMBER	REV
SSL-LX2579IGW	A



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)	2.1	2.8		V_f	
REVERSE VOLTAGE (R/G)	5.0			mcd	$I_f=100\mu\text{A}$
AXIAL INTENSITY (R/G)	14/8			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	MAX	UNITS
PEAK FORWARD CURRENT (R/G)*150/150		mA
AVG FORWARD CURRENT (R/G)	30/25	mA
POWER DISSIPATION (R/G)	105/105	mW
DERATE FROM 25 °C	-1.2	mW/ °C
OPERATING/STORAGE TEMP	-40 TO +85	°C
LEAD SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

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

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.

LX2579AC



DATE: 11-10-92	APPROVED BY:	DRAWN BY:
SCALE: N/A		
2 X 5 mm RECTANGULAR LED, BICOLOR RED/GREEN		
PAGE 1 OF 1	DRAWING NUMBER SSL-LX2579IGW	REV A