



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

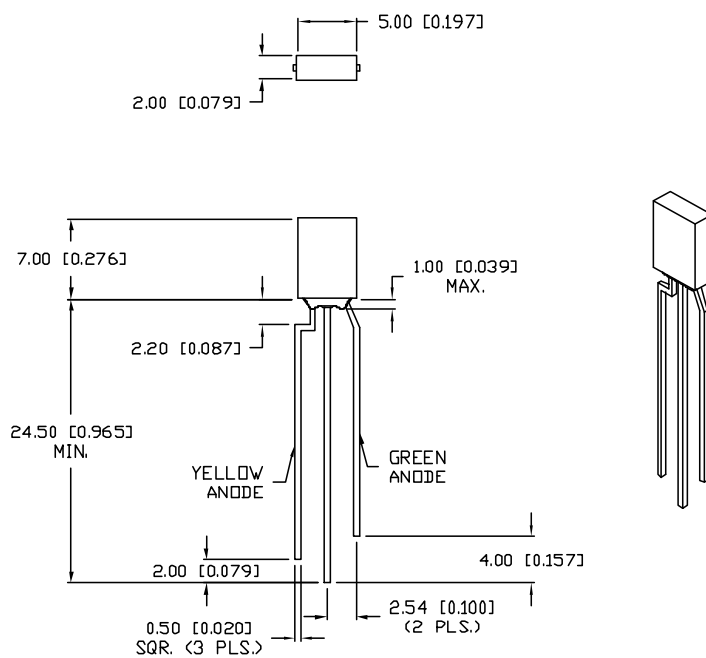
- ▶ Board or Panel Indication or Illumination
- ▶ Annunciator and Control Panels
- ▶ Telecom Switches and Central Station Equipment
- ▶ Large Panel Indicators

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		—

UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LX2579YGWREV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	3.26.02

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (Y/G)		2.1/2.2	2.5/2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY (Y/G)		5		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	YELLOW/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	(Y/G)	30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
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), 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.=+DECIMAL PRECISION -0.00, MAX.=+0.00 -DECIMAL PRECISION

REV.
APART NUMBER
SSL-LX2579YGW

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2 x 5 mm RECTANGULAR LED, BICOLOR LED,
YELLOW/GREEN, MILKY WHITE DIFFUSED LENS.

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:	CHECKED BY:	APPROVED BY:	DATE: 2.25.92
CT			PAGE: 1 OF 1
			SCALE: N/A