

DATE

REVISIONS

REV

DRAWING NUMBER

SSS-LX5099SRSYC150

REV

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
		595 (YELLOW)		nm	
FORWARD VOLTAGE(R/Y)		1.7/2.0	2.2/2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		500		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		25		2x theta	
EMITTED COLOR:	RED/YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

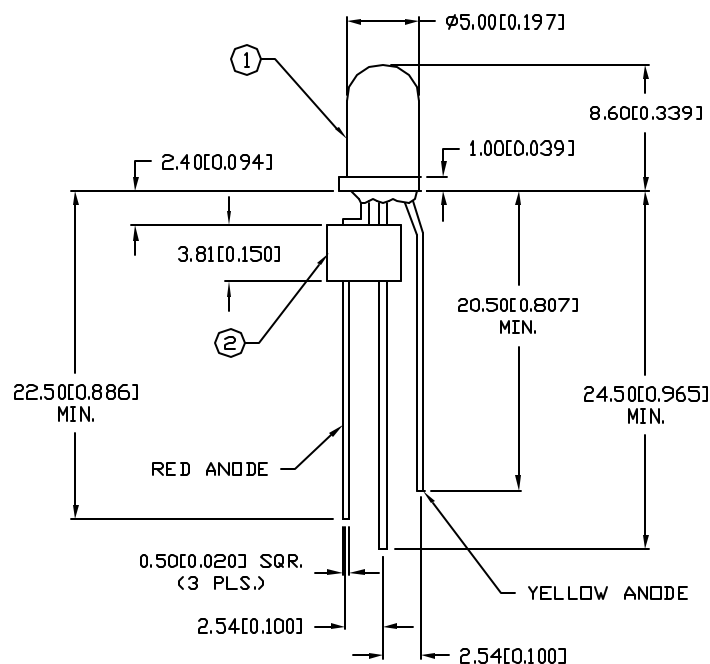
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT		30	mA
POWER DISSIPATION	(R/Y)	100/125	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

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

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.

(SR)  (SY)

COMMON CATHODE

NOTES:

1. SSL-LX5099SRSYC LED.
2. SSS-LX150B5, BLACK NYLON SPACER.

UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$)

JG/DK

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DATE: 2-16-98

DWN:

CHK'D:

APPD:

SCALE: N/A

 T-5mm (T-1 3/4) LED, BICOLOR SUPER RED/SUPER YELLOW,
WATER CLEAR LENS, COMMON CATHODE WITH 0.150" SPACER.

PAGE 1 OF 1

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Mouser Electronics

Authorized Distributor

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