

*UNCONTROLLED DOCUMENT*

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		595 (YELLOW)		nm	
FORWARD VOLTAGE		2.0	2.5	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		1000		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER LCLEAR				

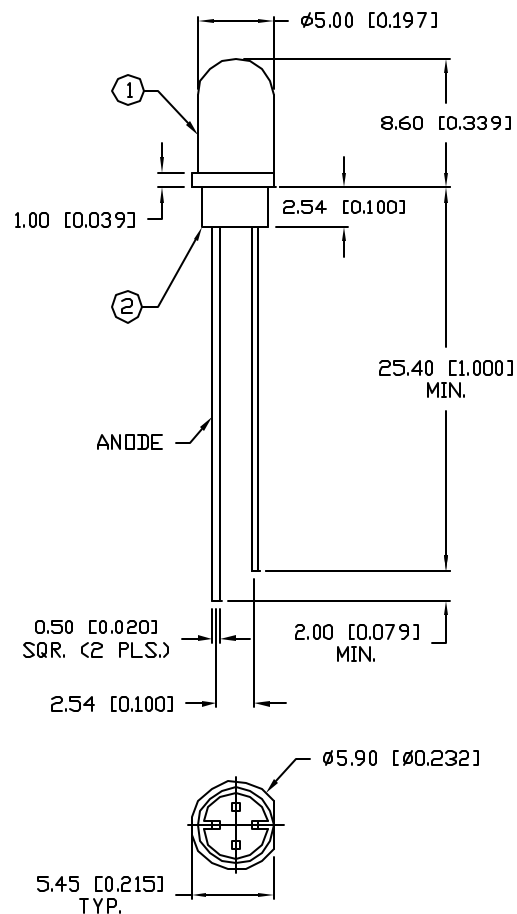
LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^\circ\text{C}$	-1.2	$\text{mW}/^\circ\text{C}$
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.



**NOTES:**

1. SSL-LX5093GT LED.
2. SSS-LX100B5, 0.100" LONG, BLACK PVC SPACER.

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

DW

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DATE: 7-14-98	DWN:	CHK'D:	APPD:
SCALE: N/A			
T-5mm (T-1 3/4) LED, SUPER YELLOW, WATER CLEAR LENS, WITH 0.100" SPACER.			
PAGE 1 OF 1	DRAWING NUMBER <b>SSS-LX5093SYC-100B</b>		REV

# Mouser Electronics

Authorized Distributor

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