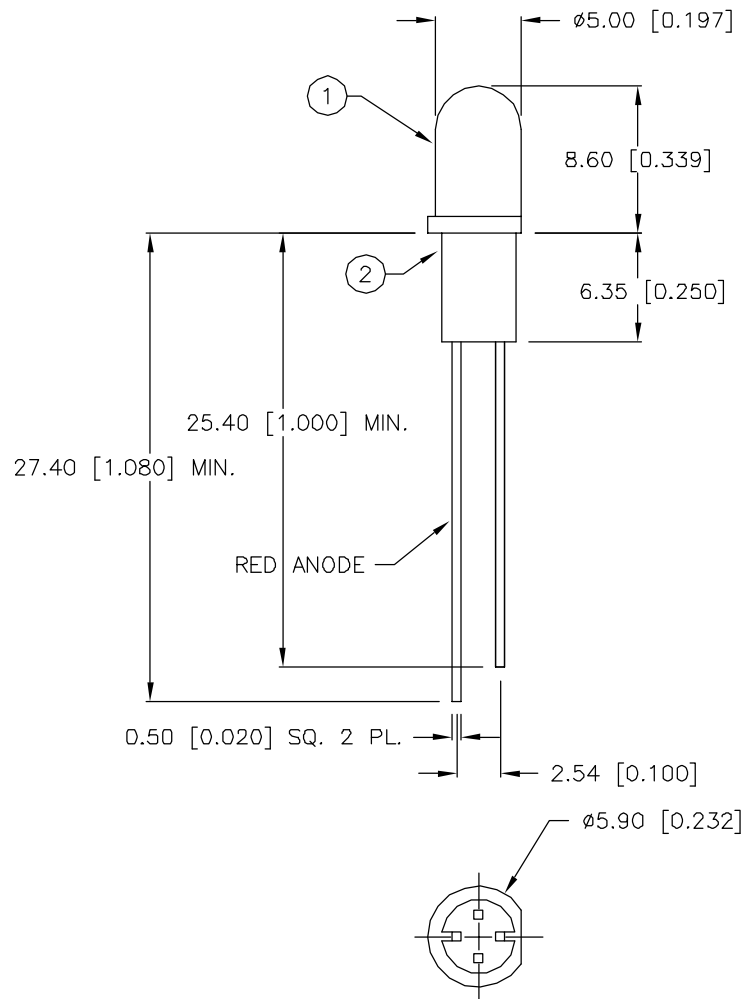


DATE	REVISIONS	REV
9-14-95	REDRAWN, UPDATED SPECS./	A

DRAWING NUMBER	REV
SSS-LX5093IGW-250B	A



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED) 565 (GREEN)		nm	
FORWARD VOLTAGE (RED)		2.1	2.8	V_f	
(GREEN)		2.0	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY (R/G)		10/4		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		60		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	mA
STEADY CURRENT (R/G)	30/25	mA
POWER DISSIPATION (R/G)	105	mW
DERATE FROM 25°C	-1.3	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO $+85$	$^\circ\text{C}$
LEAD SOLDERING TEMP	$+260$	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

NOTES:

- SSL-LX5093IGW LED.
- SSS-LX250B5, .250" LONG, BLACK PVC SPACER

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.



292 E. HELLEN ROAD
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DATE: 12-3-92	DWN:	CHK'D:	APPD:
SCALE: N/A			
T-5 (T-1 3/4) LED, BICOLOR, RED/GREEN WITH .250" SPACER			
PAGE 1 OF 1	DRAWING NUMBER	SSS-LX5093IGW-250B	REV A

Mouser Electronics

Authorized Distributor

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