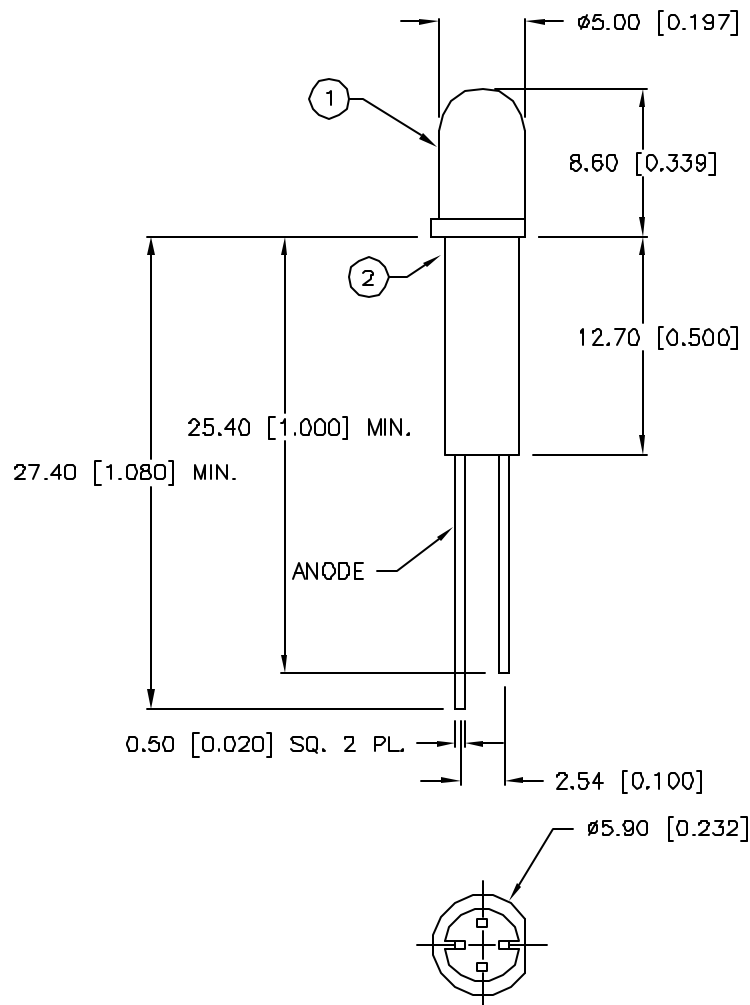


DATE	REVISIONS	REV
9-14-95	REDRAWN, UPDATED SPECS./	A

DRAWING NUMBER	REV
SSS-LX5093ID-500B	A



NOTES:

1. SSL-LX5093ID LED.
2. SSS-LX500B5, .500" 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.

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)		nm	
FORWARD VOLTAGE		2.0	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		20.0		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		80		$2\times\text{theta}$	
EMITTED COLOR	RED				
EPOXY LENS FINISH	RED DIFFUSED				

Ⓐ LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	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

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



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DATE: 10-13-94	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-5 (T-1 3/4) LED, RED DIFFUSED
WITH .500" SPACER

PAGE 1 OF 1	DRAWING NUMBER SSS-LX5093ID-500B	REV A
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