



NOTES:

1. SSL-LX5093GT LED.
2. SSS-LX160B5, .160" 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		565 (GREEN)		nm	
FORWARD VOLTAGE		2.1	2.8	V _f	
REVERSE VOLTAGE	5.0			V _r	
AXIAL INTENSITY		80		mcd	
VIEWING ANGLE		25		2x theta	
EMITTED COLOR	GREEN				
EPOXY LENS FINISH	GREEN	TRANSPARENT			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

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DATE: 9-9-97	DWN:	CHK'D:	APP'D:
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SCALE: N/A		
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T-5 (T1-3/4) SUPER RED TRANSPARENT
WITH .160" SPACER

Mouser Electronics

Authorized Distributor

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