



## NOTES:

1. SSS-LX5093SRT-11 LED.
2. 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.

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	
FORWARD VOLTAGE		1.7	2.2	$V_f$	
REVERSE VOLTAGE	4.0			$V_r$	$I_r = 100 \mu\text{A}$
AXIAL INTENSITY		300		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		25		$2x \theta$	
EMITTED COLOR	RED				
EPOXY LENS FINISH	RED	TRANSPARENT			

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM $25^\circ\text{C}$	-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: APPD:

SCALE: N/A

T-5 (T1-3/4) SUPER RED TRANSPARENT  
WITH .250" SPACER