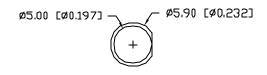
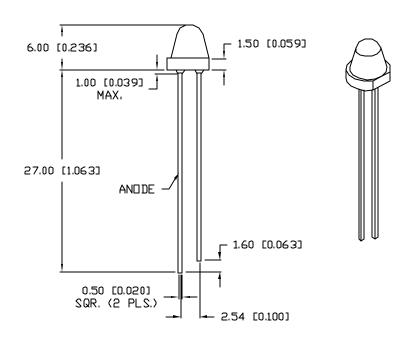
## UNCONTROLLED DOCUMENT

PART NUMBER SSL-LX5063SRC/E

REV.

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
Α	E.C.N. #11148	10.31.06





ELECTRO-OPTICAL CHARACTERISTICS TA=25°C If=20mA							
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND		
PEAK WAVELENGTH		660		nm			
FORWARD VOLTAGE		1,7	2,2	$V_{f}$			
reverse voltage	4.0			٧r	Ir=100µA		
AXIAL INTENSITY		3500		med	$I_f = 20mA$		
VIEWING ANGLE		30		2x theta			
EMITTED COLOR:	RED						
EPOXY LENS FINISH:	WATER	CLEAR					

## LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING, STORAGE TEMP.	- 40 TO + 85	<b>'</b> C
SOLDERING TEMP.	+ 260	<b>'</b> C
2.0mm FROM BODY		3 SEC. MAX

\* t<10µS



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\*UNILESS OTHERWISE SPECIFIED TOLERANCES PER DECINAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.0010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.0030). MN= +DECINAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.127 (±0.005).

REV. PART NUMBER SSL-LX5063SRC/E

> T-5mm (T-1 3/4) 660nm SUPER RED LED, WATER CLEAR LENS.

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INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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.



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