

UNCONTROLLED DOCUMENT

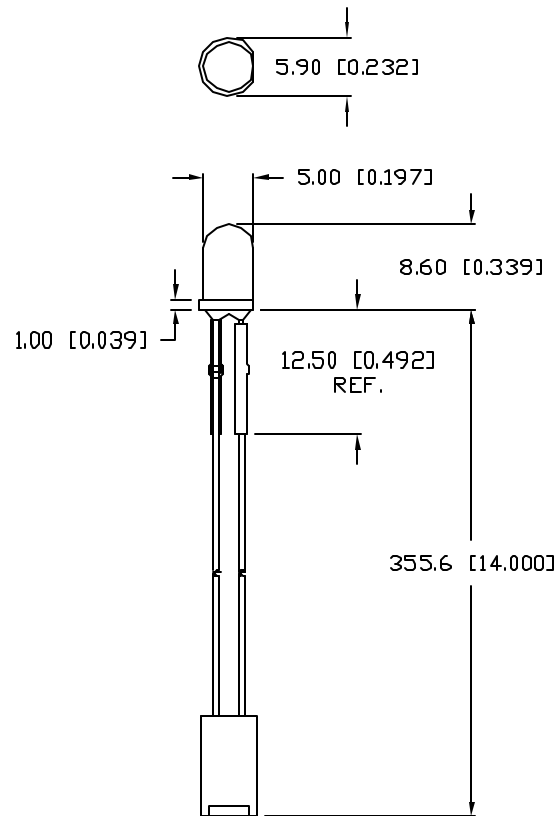
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PART NUMBER

REV.

SSI-LX5093ID356CON

PRELIMINARY IN P/N DIR

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		med	$I_f=20\text{mA}$
VIEWING ANGLE		80		2x 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	$^\circ\text{C}$

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

NOTES:

1. SSL-LX5093ID LED. TRIM LEADS TO 5mm.
2. CRIMP LEAD WIRES TO LED LEADS (2 PLS).
3. HEAT SHRINK INSULATION, 12.5mm IN LENGTH (2 PCS.).
4. ANODE: LXP-WST24RDT0C, (RED TINNED OVERCOAT WIRE) CUT AT 352MM, STRIP 4mm & 9.5mm.
5. CATHODE: LXP-WST24BLT0C, (BLACK TINNED OVERCOAT WIRE) CUT AT 352mm, STRIP 4mm & 9.5mm.
6. LXP-CONN22-01-3027, MOLEX CONNECTOR.

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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= -0.00 DECIMAL PRECISION MAX.= +0.00 DECIMAL PRECISION

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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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T-5mm (T-1 3/4) LED, RED DIFFUSED.

WITH 14" WIRE LEADS, MOLEX CONNECTOR #22-01-3027

DRAWN BY:

GB

CHECKED BY:

APPROVED BY:

DATE: 1.15.03

PAGE: 1 OF 1

SCALE: N/A