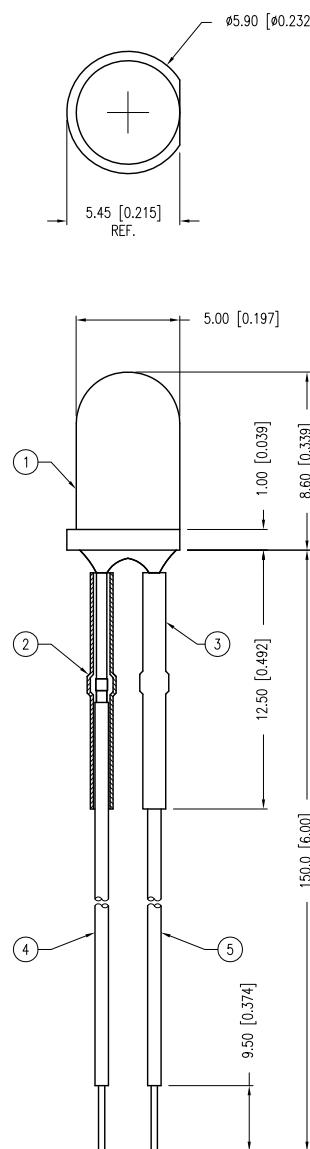


PART NUMBER	SSI-LX5093ID-150	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
07.30.12	E.C.N. #10BRDR. & REDRAWN.		A



ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE			2.0	2.5	Vf
REVERSE VOLTAGE		5.0		Vr	$I_r=100\mu\text{A}$
AXIAL INTENSITY		40		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
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	$\text{mW}/^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.

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

NOTES:

1. SSI-LX5093ID, RED LED. TRIM LEADS TO 5mm.
2. CRIMP LEADS WIRES TO LED LEADS, (2 PLS.).
3. HEAT SHRINK INSULATION, 12.5mm IN LENGTH, (2 PLS.)
4. ANODE: LXP-WST24RDT0C, CUT AT 150mm, STRIP 4mm & 9.5mm.
5. CATHODE: LXP-WST24BLT0C, CUT AT 150mm, STRIP 4mm & 9.5mm.

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

UNCONTROLLED DOCUMENT



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T-5mm (T-1 3/4) LED, RED DIFFUSED, WITH 6" WIRE LEADS.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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DATE: 07.30.12	DRAWN BY: AB
PAGE: 1 OF 1	CHKD BY: SS
SCALE: NTS	APRVD BY: SS
UNIT: mm [INCH]	INCH

Mouser Electronics

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