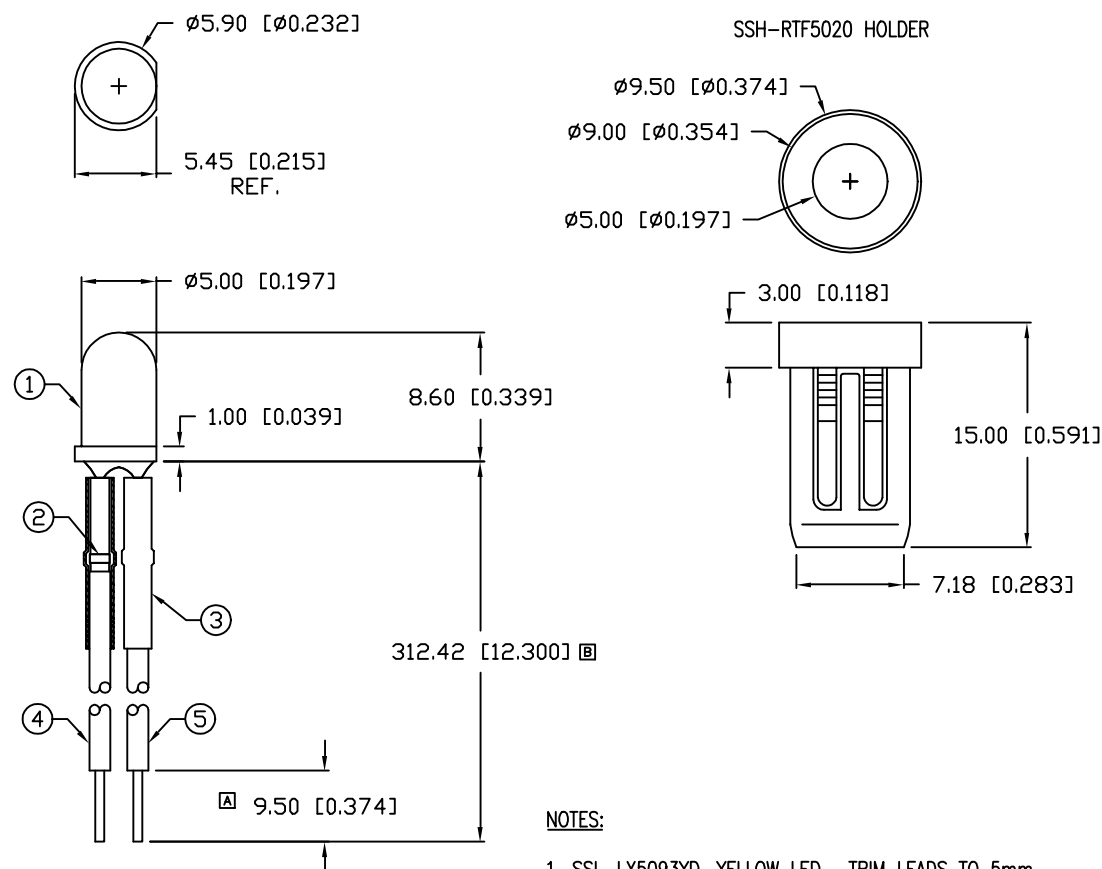


UNCONTROLLED DOCUMENT

PART NUMBER
SSI-LX5093YD-42877REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10549.	8-25-99
B	E.C.N. #10BRDR. & REDRAWN, & #10623	5-17-00



NOTES:

1. SSL-LX5093YD, YELLOW LED. TRIM LEADS TO 5mm.
2. CRIMP LEADS WIRES TO LED LEADS, (2 PLS.).
3. HEAT SHRINK INSULATION, 13mm IN LENGTH, (2 PCS.)
4. ANODE: LXP-WST24RDT0C, RED, TINNED OVERCOAT, CUT AT 310mm, STRIP 3mm & 9.5mm.
5. CATHODE: LXP-WST24BLT0C, BLACK, TINNED OVERCOAT, CUT AT 310mm, STRIP 3mm & 9.5mm.
6. SSH-RTF5020, BULK PACKED SEPERATELY.
7. PANEL HOLE: Ø8.05 [0.317]. PANEL THICKNESS: 0.6~2.8 [0.024~.110].

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		30		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW 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	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX
* $t < 10\mu\text{s}$		

*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.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

REV.
BPART NUMBER
SSI-LX5093YD-42877

T-5mm (T-1 3/4), 585nm YELLOW LED,
YELLOW DIFFUSED LENS, WITH 12.3" WIRE LEADS,
HOLDER PACKAGED SEPERATELY.

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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.

LUMEX
INCORPORATED

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
PHONE: (847) 359-2790
WEB: <http://www.lumex.com>

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