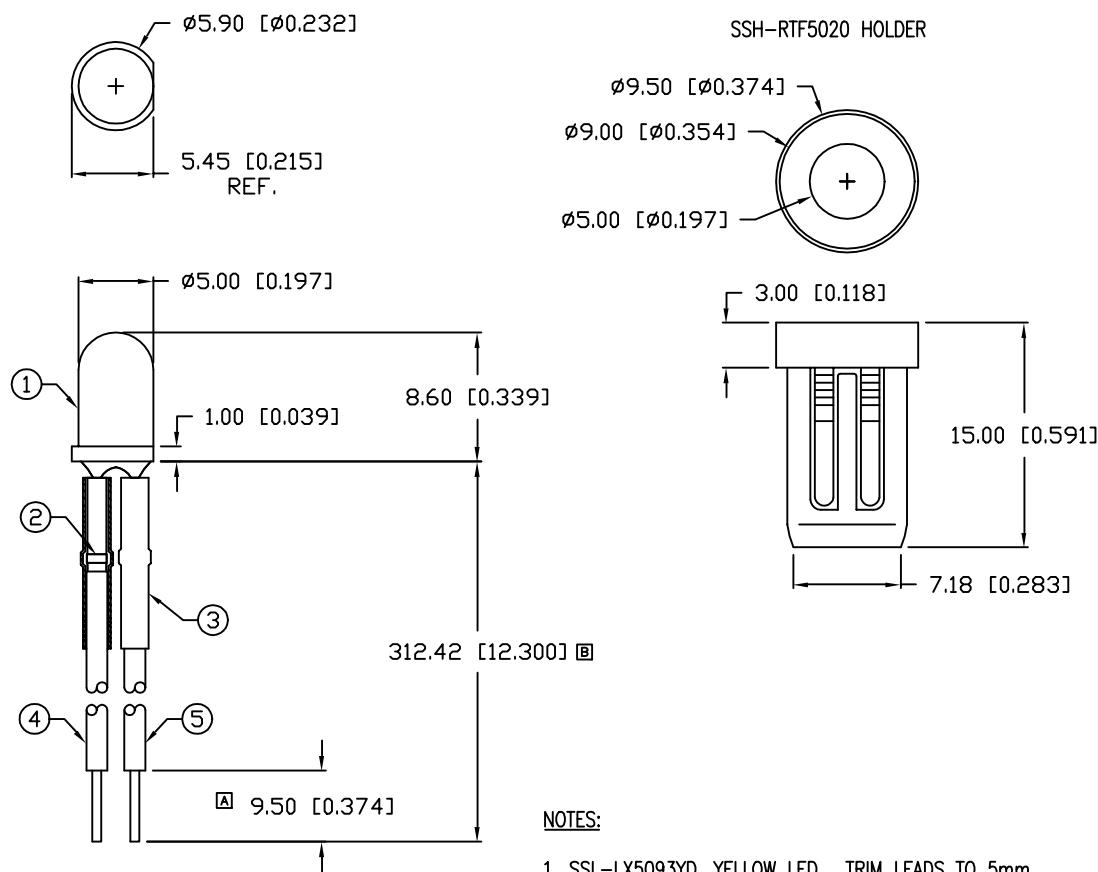


SSI-LX5093YD-42877

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-WST24RDTOC, RED, TINNED OVERCOAT, CUT AT 310mm, STRIP 3mm & 9.5mm.
5. CATHODE: LXP-WST24BLTOC, 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 <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	$I_r=100\mu\text{A}$
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  $25^\circ\text{C}$ 

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^\circ\text{C}$	-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  
MIN= -0.00 -DECIMAL PRECISION

REV.	PART NUMBER
B	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.

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SCALE: N/A

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