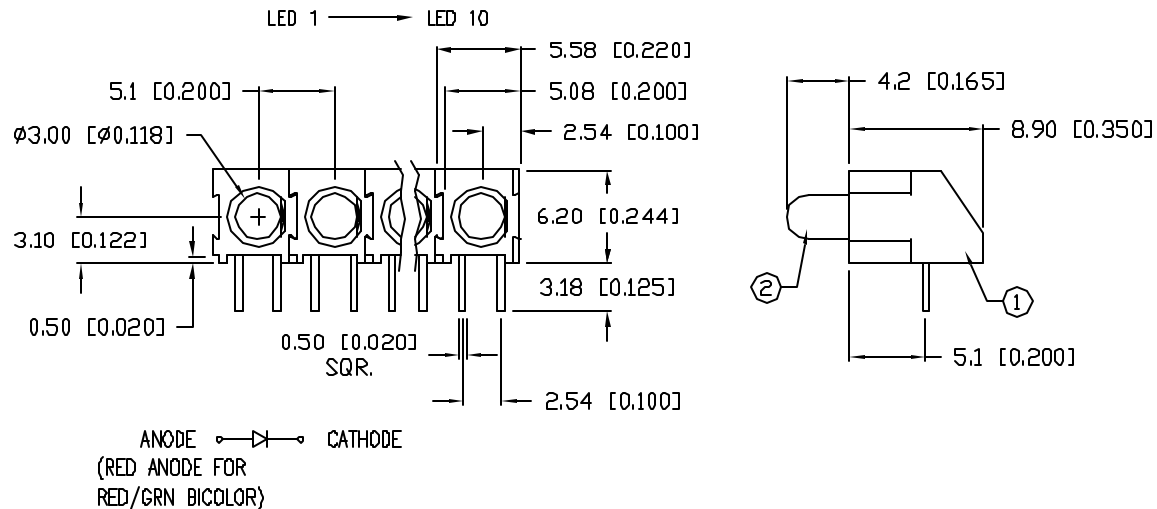


UNCONTROLLED DOCUMENT



LED LAYOUT TABLE										
-AXXX	LED 1	LED 2	LED 3	LED 4	LED 5	LED 6	LED 7	LED 8	LED 9	LED 10
-A001	RED	-	-	-	-	-	-	-	-	-
-A002	GREEN	-	-	-	-	-	-	-	-	-
-A003	YELLOW	-	-	-	-	-	-	-	-	-
-A004	RED	RED	RED	RED	RED	RED	RED	RED	RED	RED
-A005	RED	YELLOW	GREEN	-	-	-	-	-	-	-
-A006	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	RED
-A007	RED	RED	RED	RED	RED	RED	RED	RED	-	-
-A008	RED	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW
-A009	R/G	-	-	-	-	-	-	-	-	-
-A010	GREEN	YELLOW	RED	-	-	-	-	-	-	-
-A011	GREEN	GREEN	YELLOW	RED	-	-	-	-	-	-
-A012	GREEN	RED	-	-	-	-	-	-	-	-
-A013	RED	GREEN	-	-	-	-	-	-	-	-
-A014	GREEN	GREEN	GREEN	GREEN	GREEN	GREEN	GREEN	RED	-	-
-A015	UNASSIGNED									

*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/-0.00, MAX.=+0.00/-0.00.

PART NUMBER
SFX-LXH307M-AXXXREV.
E

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10287.	12.26.96
B	E.C.N. #10373.	8.12.97
C	E.C.N. #10420.	3.5.98
D	E.C.N. #10BRDR. & REDRAWN IN 3D.	3.23.01
E	E.C.N. #11148.	01.24.07

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

PARAMETER	RED	YELLOW	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	700	585	565	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.1	2.2	nm	
FORWARD VOLTAGE (MAX.)	2.5	2.5	2.6	V _f	
REVERSE VOLTAGE (TYP.)	5.0	5.0	5.0	V _r	I _r =100μA
AXIAL INTENSITY (TYP.)	6	30	30	mcd	I _f =20mA
AXIAL INTENSITY (MIN.)	1.0	1.0	1.0	mcd	I _f =2mA
VIEWING ANGLE	60	60	60	2x theta	
LED POSITION:	PER POSITION IN LED LAYOUT TABLE				
EPOXY LENS FINISH:	DIFFUSED SAME AS EMITTED COLOR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/Y/G)	25/30/25	mA
POWER DISSIPATION	(R/Y/G)	120/105/105	mW
DERATE FROM 25°C		-1.6	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

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

NOTES:

- SSH-LXH307M, MONSANTO VDYNE NYLON 6/6, BLACK HOLDER.
- SSL-LX3054L SERIES LED, LOW CURRENT SELECTION IS BEING USED FOR IMPROVED BRIGHTNESS UNIFORMITY.
- PACKAGE PARTS IN ANTI-STATIC TUBES.

UNCONTROLLED DOCUMENT

REV.
EPART NUMBER
SFX-LXH307M-AXXX

CONFIDENTIAL INFORMATION
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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-3mm (T-1) MATING RIGHT ANGLE FAULT INDICATOR,
LOW CURRENT SELECTION LEDS, COLOR DIFFUSED LENS.

DRAWN BY: JC	CHECKED BY:	APPROVED BY:	DATE: 8.15.96
			PAGE: 1 OF 1
			SCALE: N/A