

UNCONTROLLED DOCUMENT

ELECTRO-OPTICAL CHARACTERISTICS T _A =25°C I _f =20mA					
PARAMETER	RED	YELLOW	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	635	585	565	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.1	2.2	V _f	
FORWARD VOLTAGE (MAX.)	2.5	2.5	2.6	V _f	
REVERSE VOLTAGE	5.0	5.0	5.0	V _r	I _r =100µA
AXIAL INTENSITY	30	30	30	mcd	I _f =20mA
VIEWING ANGLE	60	60	60	2x theta	
LED POSITION:	PER CHART				
EPOXY LENS FINISH:	DIFFUSED PER COLOR, BICOLORS-MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP			
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/Y/G)	30/30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

* t<10µS

NOTES:


- G/I DENOTES BICOLOR 565nm GREEN/635nm RED LED WITH MILKY WHITE DIFFUSED EPOXY. GREEN ANODE ORIENTED TO LEFT SIDE IN FRONT VIEW.
- G/G DENOTES BIPOLAR GREEN LED WITH GREEN DIFFUSED LENS.
- I/G DENOTES BICOLOR 635nm RED/565nm GREEN LED WITH MILKY WHITE DIFFUSED EPOXY. RED ANODE ORIENTED TO LEFT SIDE IN FRONT VIEW.
- HOLDER MATERIAL: MONSANTO BLACK VYDYNE (NYLON 66) OR EQUIVALENT, UL 94V-0.

PART NUMBER		REV.
SSF-LXH100M-XXX		Q
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHG'D '695nm' TO '635nm' RED, R's IN TABLE ARE I's.	1-24-92
B	REDRAWN/ CHG'D '-050' TO 7 POSITION WITH NEW COLOR COMBO/ CHG'D '-047' LED #2 FROM G TO G/G.	2-6-92
C	ADDED BILL OF MATERIALS.	3-9-92
D	ADDED '-051' TO TABLE.	4-13-92
E	CHG'D SSL-LX509F3IGW TO SSL-LX509F3GIW.	4-24-92
F	ADDED '-052' TO TABLE.	1-21-93
G	CHG'D '-050' FROM 7 POSITION TO 6.	4-5-93
H	CHG'D '-051' FROM GYIIGGG TO GIYGGYGGG.	5-17-93
I	ADDED '-053' TO TABLE.	10-4-93
J	CHG'D '-053,' POSITION 1 FROM G/I TO I/G.	10-4-93
K	CHG'D '-053' POSITION 6 FROM G TO I.	12-7-94
L	ADDED NOTE 1.	5-31-94
M	ADDED '-054' TO TABLE AND NOTES.	10-4-95
N	ADDED '-055' TO TABLE AND NOTE 2.	12-15-95
O	E.C.N. #10291.	1-13-97
P	E.C.N. #10BRDR. & REDRAWN.	5-8-98
Q	E.C.N. #10563.	12-22-99

PART#	POS.	1	2	3	4	5	6	7	8	9
-045	5	I	I	I	Y	Y	-	-	-	-
-046	2	G	G/I	-	-	-	-	-	-	-
-047	2	G	G/G	-	-	-	-	-	-	-
-048	7	G	G/I	I	I	I	Y	Y	-	-
-049	3	I	Y	G	-	-	-	-	-	-
-050	6	G	G	Y	I	G	Y	-	-	-
-051	9	G	I	Y	G	G	Y	G	G	G
-052	7	G	G/G	I	I	I	Y	Y	-	-
-053	6	I/G	Y	Y	Y	Y	I	-	-	-
-054	2	Y	G	-	-	-	-	-	-	-
-055	5	I	Y	X	G	G	-	-	-	-

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*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

REV. Q	PART NUMBER SSF-LXH100M-XXX	<p>CONFIDENTIAL INFORMATION</p> <p>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.</p> <p>RELIABILITY NOTE</p> <p>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.</p>	 <p>290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM</p>		
MATING T-5mm (T-1 3/4) RIGHT ANGLE FAULT INDICATOR, LED COLORS PER CHART.		DRAWN BY: BC	CHECKED BY:	APPROVED BY:	DATE: 12-16-91
					PAGE: 2 OF 2 SCALE: N/A