

UNCONTROLLED DOCUMENT

PART NUMBER
SSF-LXH104SIUBUPGC

REV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11230.	3.17.05

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636 (RED)		nm	
		470 (BLUE)		nm	
		525 (GREEN)		nm	
FORWARD VOLTAGE (R)		2.0	2.5	V _f	
(B)		3.5	4.0	V _f	
(G)		4.2	4.8	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100μA
AXIAL INTENSITY (R/B/G)		800/700/800		mod	I _f =20mA
VIEWING ANGLE		50		2x theta	
EMITTED COLOR:	RED/BLUE/GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

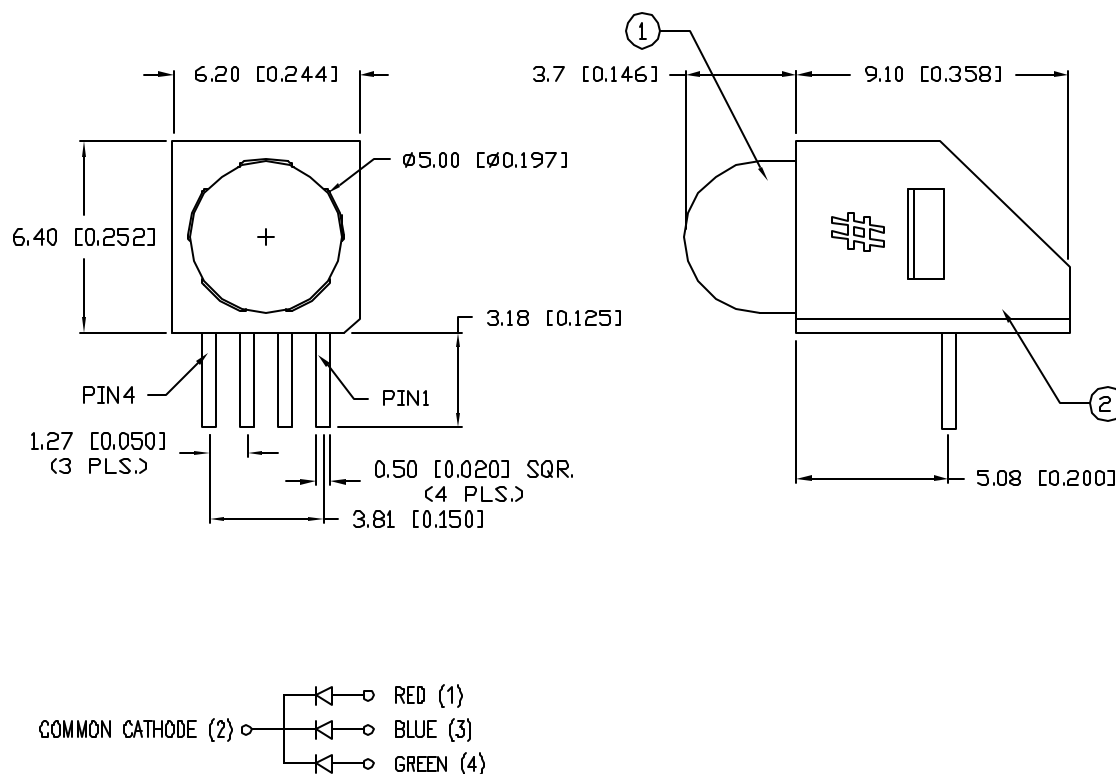
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	{R/B/G}	185/150/130	mA
STEADY CURRENT	{R/B/G}	30/30/25	mA
POWER DISSIPATION	{R/B/G}	170/102/105	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

* $t < 10 \mu s$

NOTES:

1. SSL-LX5097SIUBJPGC,
2. 55H-LXH104. BLACK HOLDER.



*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
-0.00 MAX.=+0.00
-DECIMAL PRECISION

REV. A	PART NUMBER SSF-LXH104SIUBUPGC	CONFIDENTIAL INFORMATION 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. 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.	 290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
T-5mm (T-1 3/4) LED, REAR LOADING PCB INDICATOR, RED/GREEN/BLUE 4 LEADS WATER CLEAR LENS.		DRAWN BY: JD	CHECKED BY: APPROVED BY: DATE: 2.4.05 PAGE: 1 OF 1 SCALE: N/A