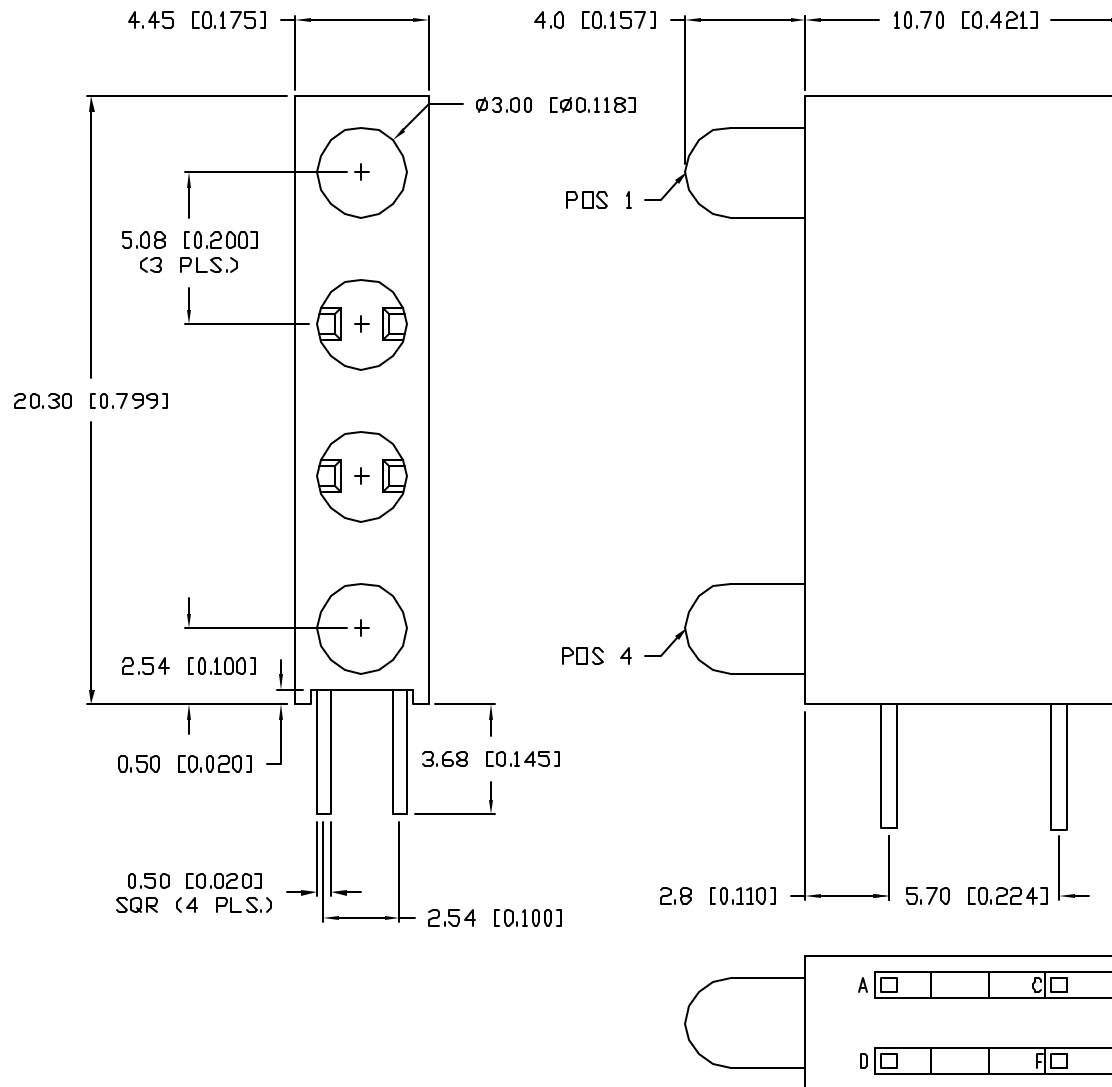


UNCONTROLLED DOCUMENT

PART NUMBER  
SSF-LXH475GYWXXSBD

REV.



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

PARAMETER	GREEN	YELLOW	BLUE	UNITS	TEST COND
PEAK WAVELENGTH	565	585	430	nm	
FORWARD VOLTAGE (TYP.)	2.2	2.1	4.5	$V_f$	
FORWARD VOLTAGE (MAX.)	2.6	2.5	5.5	$V_f$	
REVERSE VOLTAGE	5.0	5.0	5.0	$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY	30	30	30	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	60	2x theta	
LED POSITION:	1	1	4		

EPOXY LENS FINISH: POS. 1: MILKY WHITE DIFFUSED POS.4: BLUE DIFFUSED

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(B/G/Y)	30/25/30	mA
POWER DISSIPATION	(B/G/Y)	100/105/105	mW
DERATE FROM 25°C	(B/G/Y)	-1.6/-1.2/-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

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

NOTES:

- PIN G: YELLOW ANODE
- PIN F: GREEN ANODE
- PIN A: BLUE CATHODE
- PIN D: BLUE ANODE

NO LED IN POS. 2,3.

UNCONTROLLED DOCUMENT

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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.

PART NUMBER

SSF-LXH475GYWXXSBD

T-3mm (T-1) FOUR HIGH LED, FAULT INDICATOR,  
ONE 565nm GREEN/585nm YELLOW BICOLOR LED,  
ONE 430nm SUPER BLUE LED.

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

DRAWN BY:

GB

CHECKED BY:

APPROVED BY:

DATE: 10.10.02

PAGE: 1 OF 1

SCALE: N/A