PART NUMBER SSF-LXH2103YGD/4

REV.

Α

REV.	E.C.N.	NUMBER	AND REVISION COMMENTS	DATE
Α	E.C.N.	#10449	& #10BRDR & REDRAWN./	8-11-98

. 4 < 0 . F0 4041.	4.00 [0.157]
4.60 [0.181]	10.00 [0.394]
9.70 [0.382] 5.00 [0.197]	3
2.35 [0.092]	
ANDDE TYP. THIS SIDE	
0.50 [0.020] SQR. (4 PLS.) 2.54 [0.100]	5.08 [0.200]

ELECTRO-OPTICAL CHARACTERISTICS TA=25°C If=20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELL	OW)	nm	
		565 (GREE	EN)	nm	
FORWARD VOLTAGE (Y,	∕G>	2.1/2.2	2.5/2.6	V_{f}	
REVERSE VOLTAGE	5.0			٧r	I _r =100µA
AXIAL INTENSITY		30		mcd	$I_f = 20 \text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	POSITION	1-YELLOW			
	POSITION	2-GREEN			
EPOXY LENS FINISH:	POSITION	1-YELLOW D	OIFFUSED		
	POSITION	2-GREEN DI	FFUSED		

LIMITS OF SAFE OPERATION AT 25°C

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

* t<10uS

NOTES:

- 1. SSL-LX3054YD, YELLOW LED.
- 2. SSL-LX3054GD, GREEN LED.
- 3. SSH-LXH2103 HOLDER.

*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0,25mm (±0.010")

REV. PART NUMBER SSF-LXH2103YGD/4

> T-3mm (T-1) LED, PIGGY-BACK HOLDER, POS.1: YELLOW DIFFUSED LED, POS.2: GREEN DIFFUSED 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. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM

APPROVED BY: DATE: 10-2-95 DRAWN BY: CHECKED BY: PAGE: 1 OF 1 SCALE: N/A ВC