



**THE DATASHEET OF
SSF-LXH475YGW3I1D**



UNCONTROLLED DOCUMENT

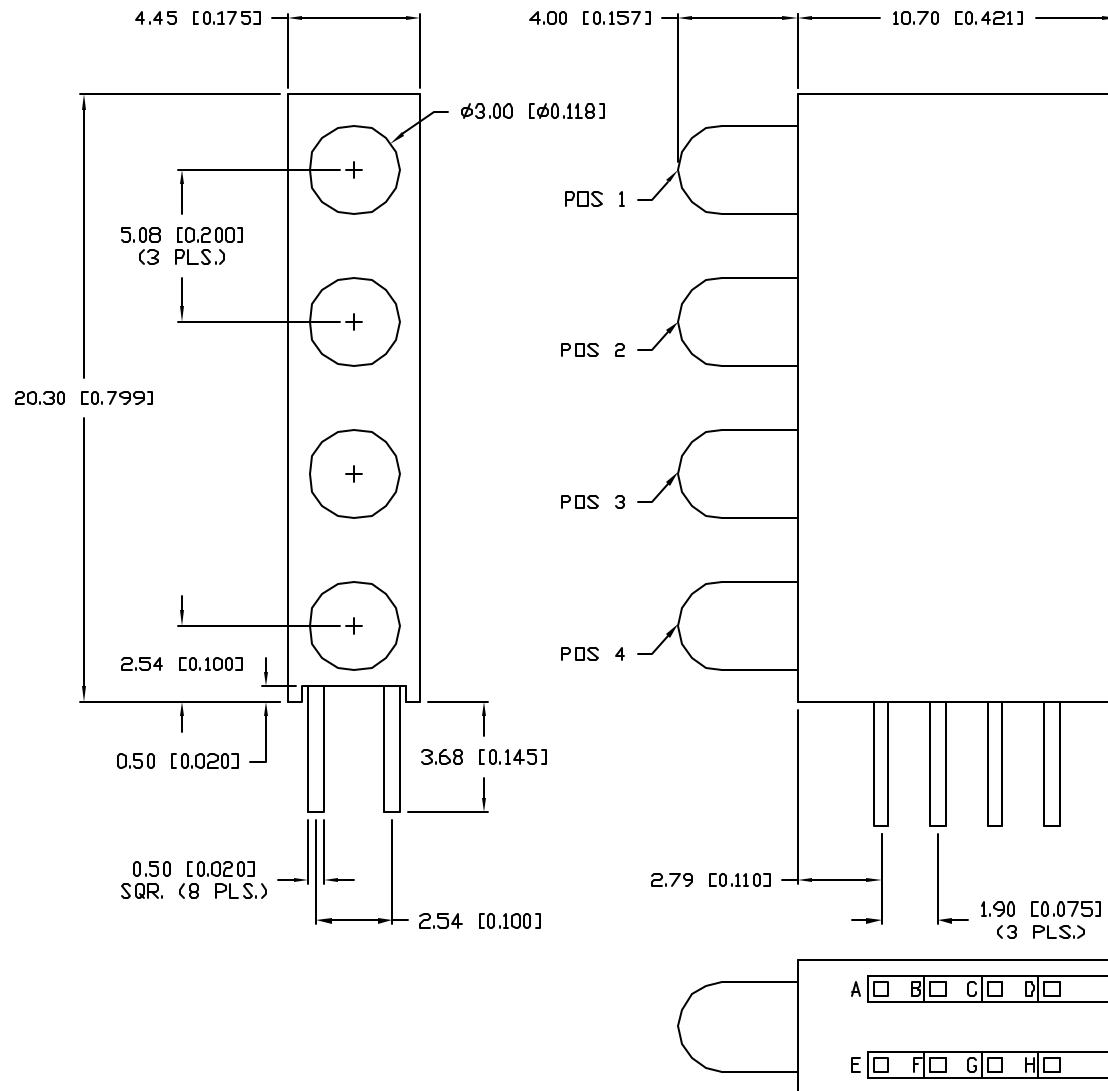
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PART NUMBER

REV.

SSF-LXH475YGW311D

PRELIMINARY IN P/N DIR



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

PARAMETER	YELLOW	GREEN	RED	UNITS	TEST COND
PEAK WAVELENGTH	585	565	635	nm	
FORWARD VOLTAGE (TYP.)	2.1	2.2	2.0	V_f	
FORWARD VOLTAGE (MAX.)	2.5	2.6	2.5	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	10	10	40	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	80	80	60	2x theta	
LED POSITION:	1~3	1~3	4		
EPOXY LENS FINISH: POS.1~3: MILKY WHITE, POS.4: RED DIFFUSED					

LIMITS OF SAFE OPERATION AT 25°C PER LED

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

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

NOTES:

PIN B,C,D: GREEN ANODE
 PIN A: RED CATHODE
 PIN F,G,H: YELLOW ANODE
 PIN E: RED ANODE

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*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

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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) FOUR UNIT FAULT INDICATOR,
 POS. 1~3: BI-COLOR 585nm YELLOW/565nm GREEN,
 POS.4: 635nm RED.

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 7.30.02

CT

PAGE: 1 OF 1

SCALE: N/A

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