

UNCONTROLLED DOCUMENT

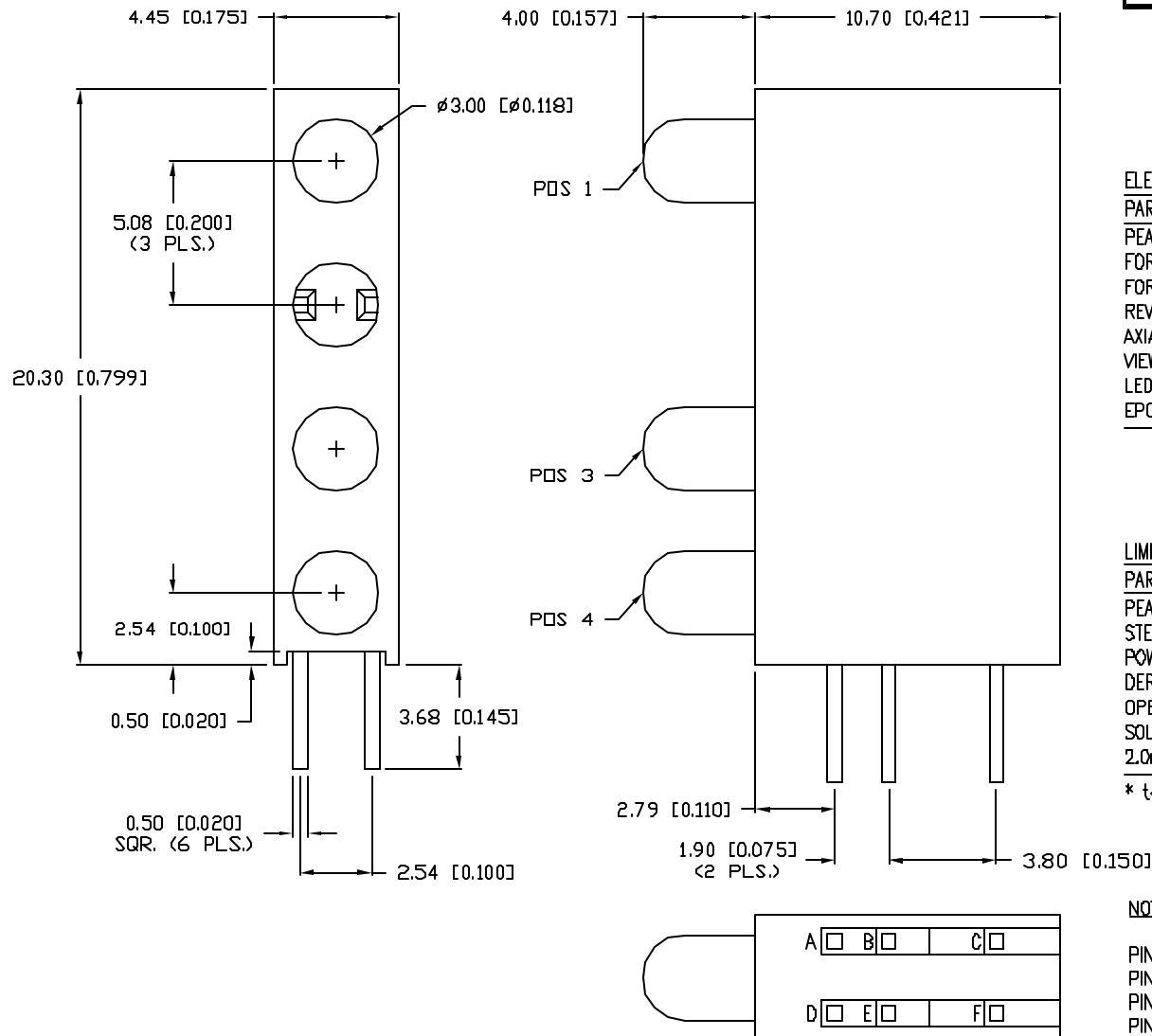
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PART NUMBER

REV.

SSF-LXH475YGWXYGWI

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  $25^\circ\text{C}$  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 $25^\circ\text{C}$		-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: GREEN ANODE
- PIN A: RED CATHODE
- PIN E,F: YELLOW ANODE
- PIN D: RED ANODE

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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= $\pm 1$  ( $\pm 0.039$ ), XX= $\pm 0.5$  ( $\pm 0.020$ ), XXX= $\pm 0.25$  ( $\pm 0.010$ ), XXXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN.= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

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T-3mm (T-1) FOUR UNIT FAULT INDICATOR,  
 POS. 1,3: BI-COLOR 585nm YELLOW/565nm GREEN,  
 POS.2: BLANK, POS.4: 635nm RED.

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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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SCALE: N/A