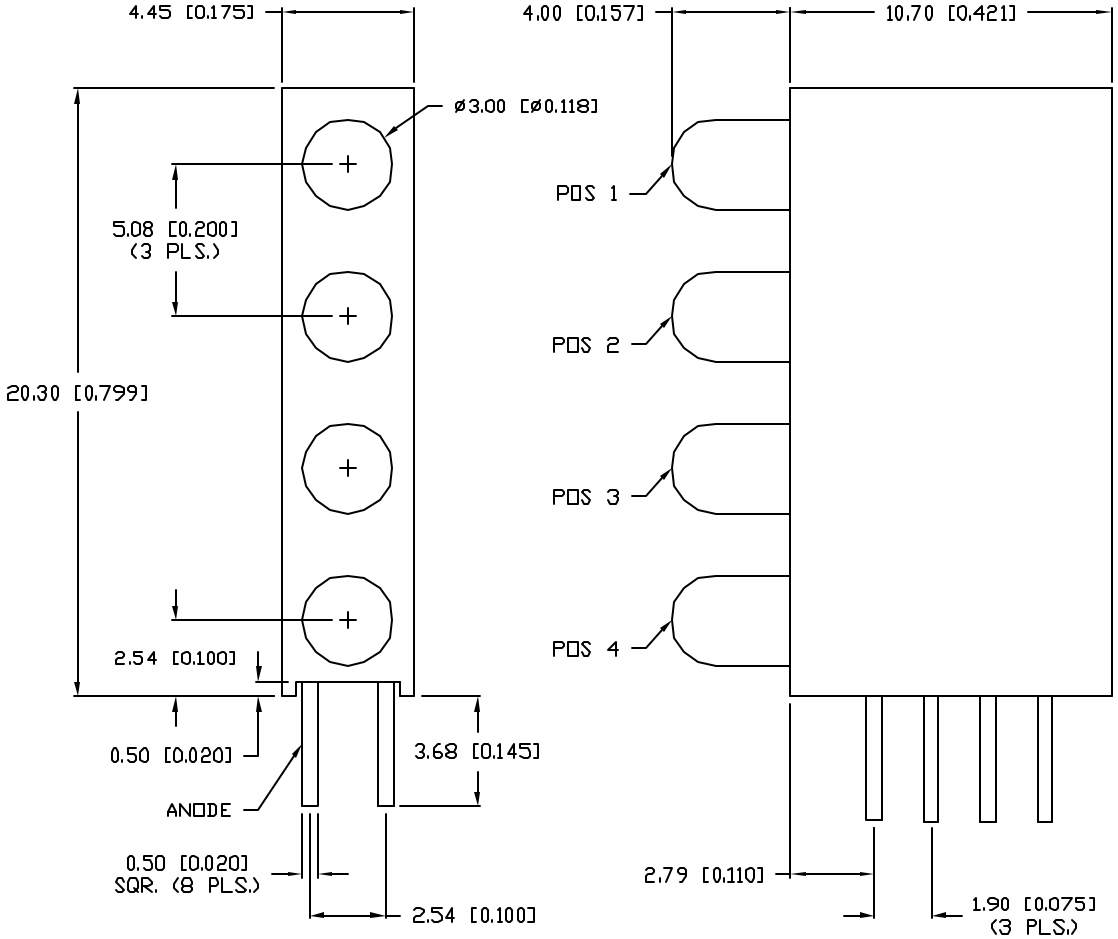
UNCONTROLLED DOCUMENT

PART NUMBER

SSF-LXH475AIIID

REV.



ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C I_f=20mA

PARAMETER	AMBER	RED	UNITS	TEST COND
PEAK WAVELENGTH	605	635	nm	
FORWARD VOLTAGE (TYP.)	2.1	2.0	V_f	
FORWARD VOLTAGE (MAX.)	2.5	2.5	V_f	
REVERSE VOLTAGE	5.0	5.0	V_r	I_r=100µA
AXIAL INTENSITY	40	40	mcd	I_f=20mA
VIEWING ANGLE	60	60	2x theta	
LED POSITION:	1	2~4		
EPOXY LENS FINISH:	DIFFUSED SAME AS EMITTED COLOR			

LIMITS OF SAFE OPERATION AT 25°C PER LED

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

* t<10µS

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*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.

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T-3mm (T-1) FOUR UNIT FAULT INDICATOR,
POS. 1: 605nm AMBER LEDS, POS. 2~4: RED LEDS,
COLOR DIFFUSED LENS.

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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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DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 10.29.02
CT			PAGE: 1 OF 1
			SCALE: N/A