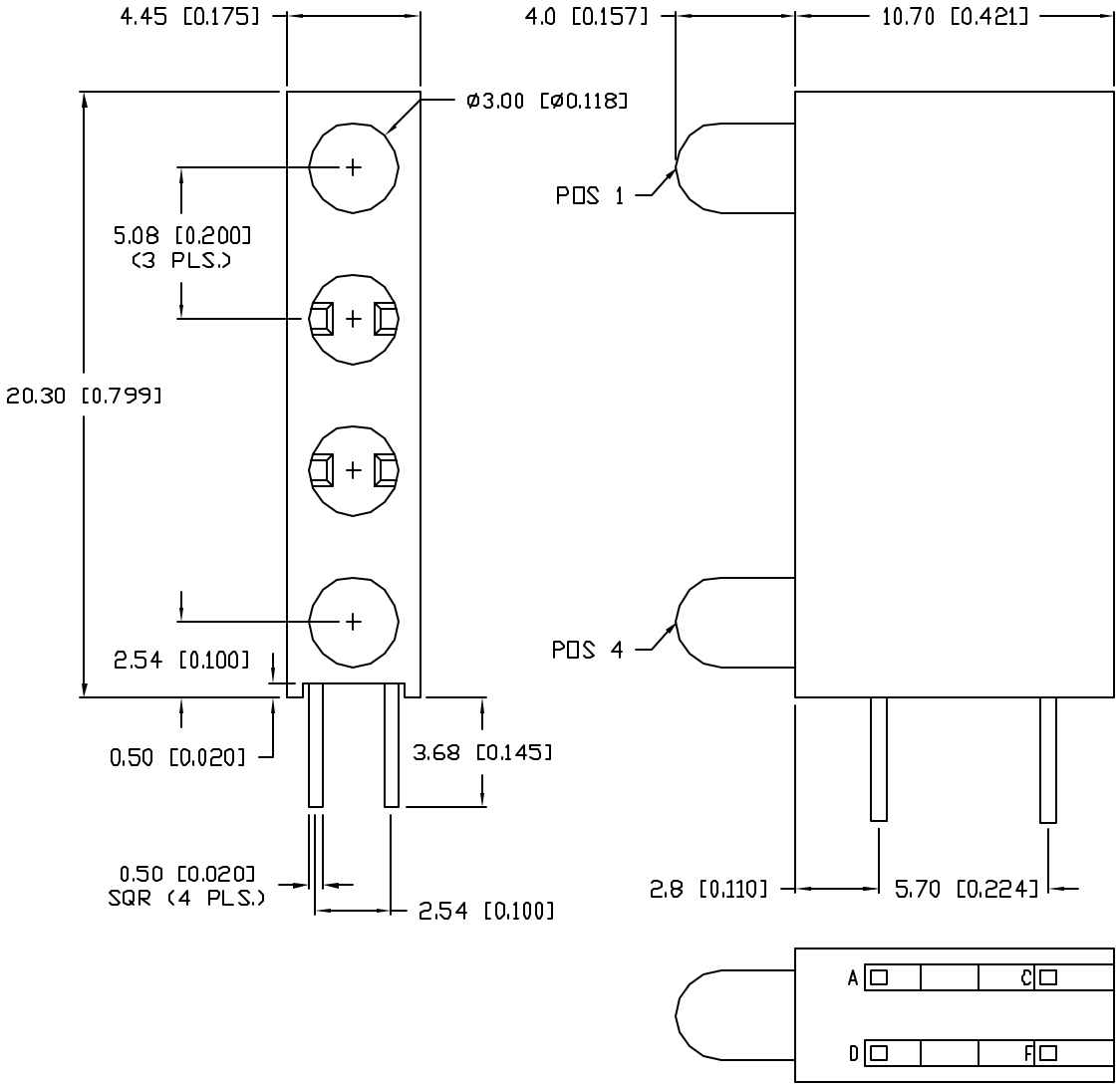
UNCONTROLLED DOCUMENT

PART NUMBER
SSF-LXH475GYWXXSBD

REV.



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

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=100µA
AXIAL INTENSITY	30	30	30	mcd	I_f=20mA
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<10µS

NOTES:

PIN C: YELLOW ANODE
PIN F: GREEN ANODE
PIN A: BLUE CATHODE
PIN D: BLUE ANODE

NO LED IN POS. 2,3.

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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

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

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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