

## NOTES:

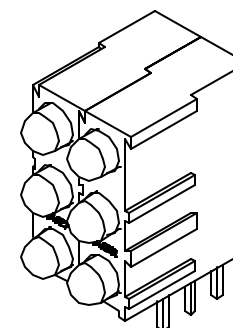
- SSH-LXHM340, BLACK HOLDER. (2 PCS.)
- SSL-LX3044YD, YELLOW LED. (3 PCS.)
- SSL-LX3044GD, GREEN LED. (3 PCS.)

\*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 MAX.=+0.00 -DECIMAL PRECISION

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$				
PARAMETER	YELLOW	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	585	565	nm	
FORWARD VOLTAGE (TYP.)	2.1	2.2	$V_f$	
FORWARD VOLTAGE (MAX.)	2.5	2.6	$V_f$	
REVERSE VOLTAGE	5.0	5.0	$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY	30	30	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	2x theta	
LED POSITION:	LEFT	RIGHT		
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	(Y/G)	30/25	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

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

T-3mm MATING, RIGHT ANGLE, LED FAULT INDICATOR,  
LEFT HOLDER: 585nm YELLOW LEDS, YELLOW DIFFUSED LENS,  
RIGHT HOLDER: 565nm GREEN LEDS, GREEN DIFFUSED.

## CONFIDENTIAL INFORMATION

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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

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