

UNCONTROLLED DOCUMENT

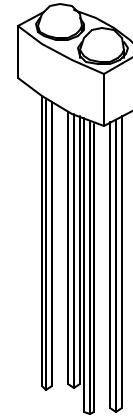
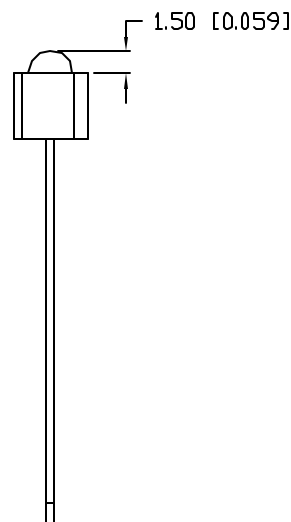
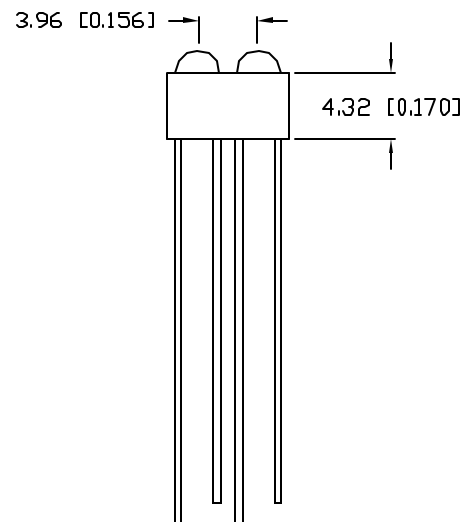
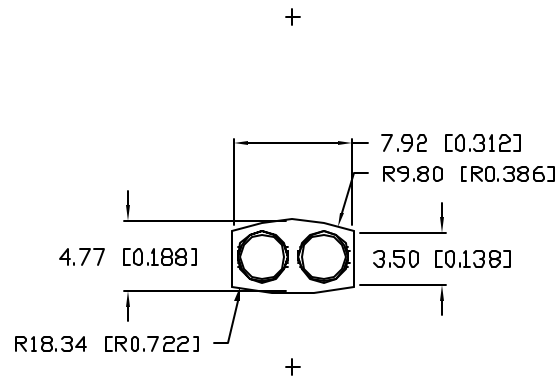
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PART NUMBER

REV.

SSA-LXH8544SRSGC75

PRELIMINARY IN P/N DIR

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

PARAMETER	RED	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	660	565	nm	
FORWARD VOLTAGE (TYP.)	1.8	2.2	V _f	
FORWARD VOLTAGE (MAX.)	2.3	2.6	V _f	
REVERSE VOLTAGE	5.0	5.0	V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	200	30	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	30	60	2x theta	
LED POSITION:	2	2-5		
EPOXY LENS FINISH: WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER LED

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/G)	30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C

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

NOTES:

1.

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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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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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8mm x 4mm TWIN LED HOLDER,
565nm GREEN / 660nm RED LEDS, COLOR DIFFUSED.

DRAWN BY:

SS/CT

CHECKED BY:

APPROVED BY:

DATE: 1.4.02

PAGE: 1 OF 1

SCALE: N/A