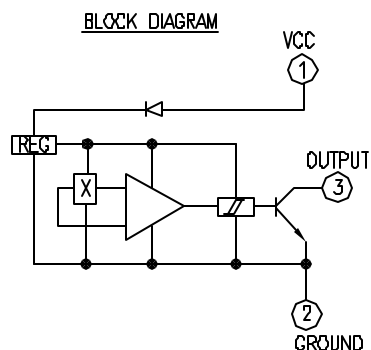
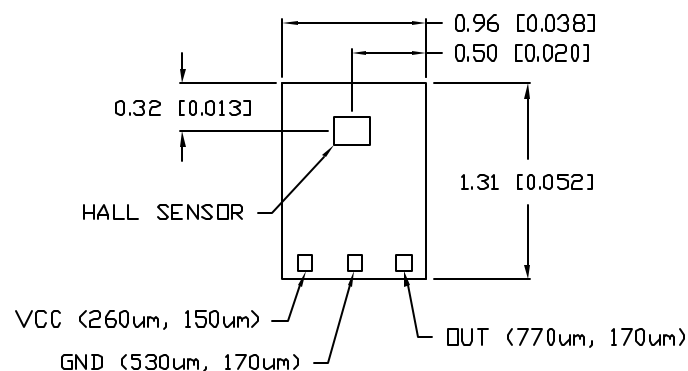


ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $V_{CC}=12\text{V DC}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
OPERATING VOLTAGE	4		24	V	
OPERATING CURRENT	4	6	8	mA	
SATURATION VOLTAGE			0.4	V	
OUTPUT LEAKAGE		0.5	2	μA	$V_{OUT}=24\text{V}$ $B < B_{rp}$
OUTPUT RISE TIME		0.4		μs	$V_{CC}=12\text{V}$, $R_1=1.2\text{K}$ $C_L=20\text{pF}$
OUTPUT FALL TIME		0.4		μs	$V_{CC}=12\text{V}$, $R_1=1.2\text{K}$ $C_L=20\text{pF}$

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
SUPPLY VOLTAGE	24	V
STEADY CURRENT	8	mA
OUTPUT CURRENT	15	mA
POWER DISSIPATION	100	mW
OPERATING TEMP.	-30 TO +80	$^\circ\text{C}$
STORAGE TEMP.	-55 TO +125	$^\circ\text{C}$
SUPPLY VOLTAGE RANGE	4~24	V

MAGNETIC SPECIFICATIONS AT 25°C 12V DC

RANK	MAX. OPERATE POINT B_{op}	MAX. RELEASE POINT B_{rp}	UNITS
A	-100	-100	GAUSS
B	-150	-150	GAUSS
C	-200	-200	GAUSS
D	-250	-250	GAUSS

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), 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

REV.

PART NUMBER

SSD-LX131HIC-CHIP

HALL EFFECT DIGITAL SWITCH,
4-24V OPERATING VOLTAGE.

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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PAGE: 1 OF 1

SCALE: N/A