

PART NUMBER

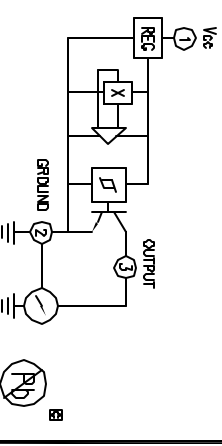
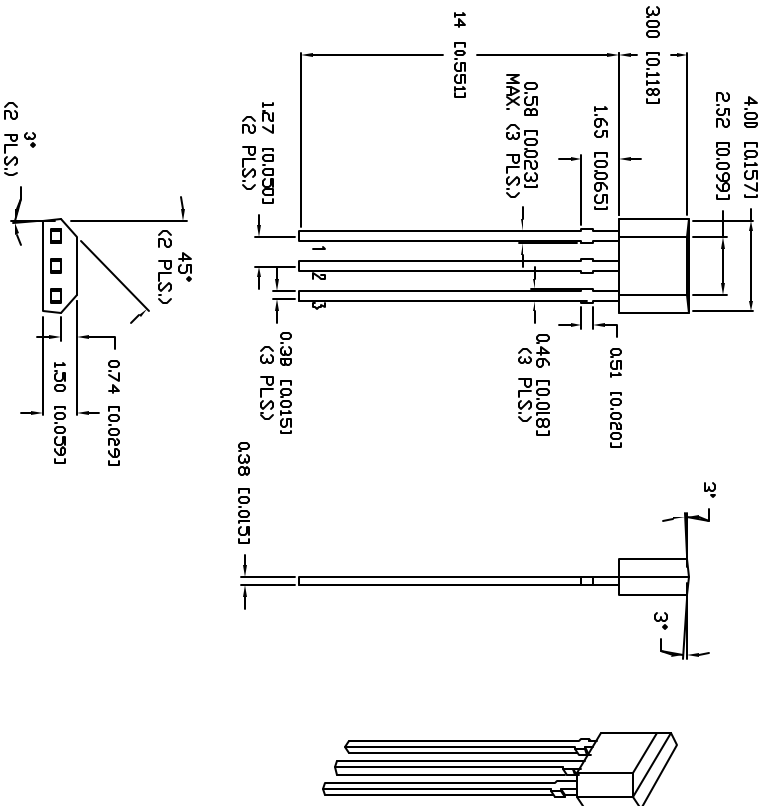
PART NUMBER		REV.
OED-MSR430		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10444.	7.21.98
B	E.C.N. #10800. & REDRAWN IN 3D.	1.12.01
C	E.C.N. #1114B.	5.7.07

ELECTRO-OPTICAL CHARACTERISTICS TA=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
SUPPLY VOLTAGE	3		20	V	
SUPPLY CURRENT		3.5	6	mA	$I_{out}=5mA$
OUTPUT SATURATION VOLTAGE			0.2	V	$B>B_{op}$ $V_{out}=20V$
OUTPUT LEAKAGE CURRENT		0.5	2	μA	$B>B_{op}$ $V_{out}=20V$
OUTPUT RISE TIME		0.4		μS	$V_{out}=12V, R_L=4.7k\Omega$
OUTPUT FALL TIME		0.4		μS	$C_L=20pF$
OUTPUT LEAKS					BLACK
PACKAGE					EPOXY LEAD FINISH

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
SUPPLY VOLTAGE	20	mA
SUPPLY CURRENT	8	mA
OUTPUT CURRENT	20	mA
POWER DISSIPATION	-100	mW
OPERATING TEMP.	-20 TO +85	°C
STORAGE TEMP.	-40 TO +120	°C
SOLDERING TEMP.	+260	°C
24mm FROM BODY	5 SEC. MAX	



UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE X+1 [X-0.009] X+1+0.5 [X-0.020] XXX+0.24 [-0.010]	LOCAL PRECISION
LARG SIZE=+0.06 [X-0.002] LRG LENGTH=+0.7 [X-0.040] WH= -0.00	IN.- DECIM PRECISION

REV.	PART NUMBER	CONTRACT INFORMATION		290 E. HELEN ROAD PALATKA, IL 60067-8978 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
C	OED-MSR430	THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND OBSERVATION TO ALL THIRD PARTIES. BEHALF OF LUMEX OUR MANY YEARS OF EXPERIENCE DATA ACQUISITION INDICATE THAT SQUID HEAT IS A MAJOR CAUSE OF EARLY AND PREMATURE FAILURE. PLEASE PAY ATTENTION TO YOUR COOLING PROCESS.		
HALL IC MAGNETIC SENSOR.		DRAWN BY:	CHECKED BY:	APPROVED BY: DATE: 3.18.98
		JC		PAGE: 1 OF 1 SCALE: 1/A