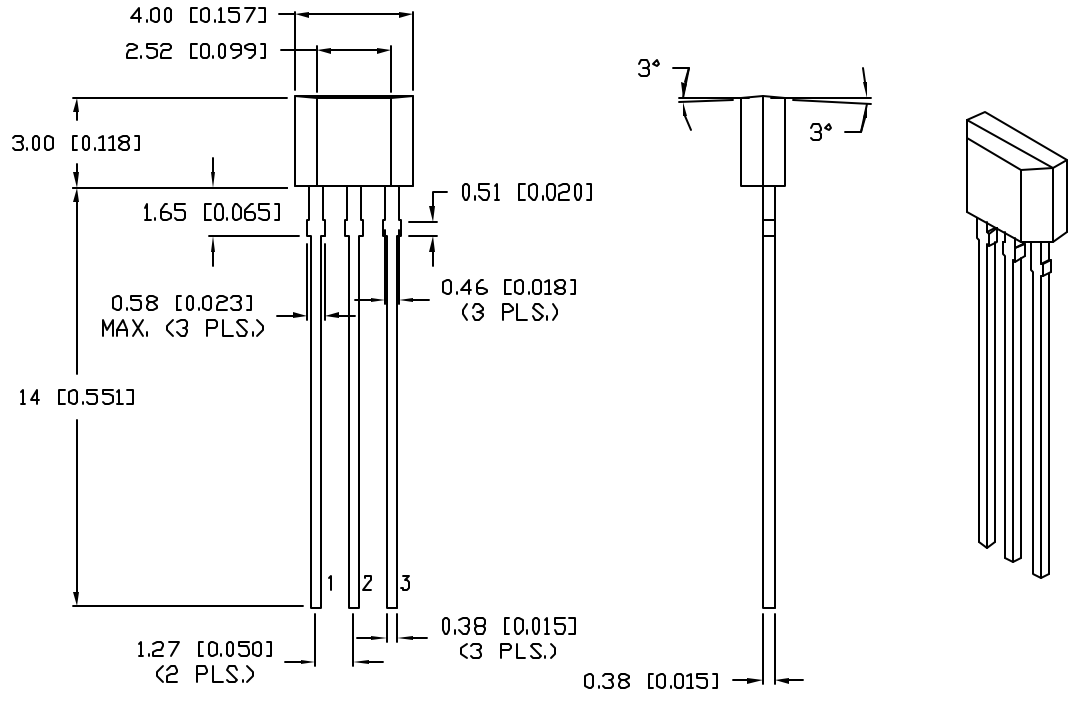


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
OED-MSR430		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10444.	7.21.98
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	1.12.01

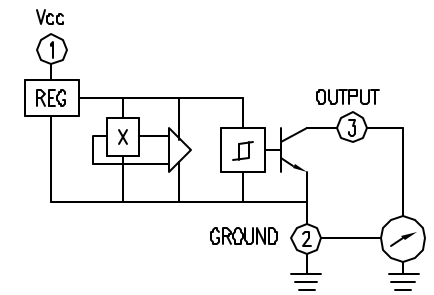
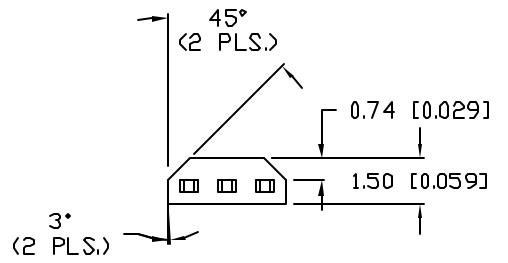


ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$

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

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
SUPPLY VOLTAGE	20	V
SUPPLY CURRENT	8	mA
OUTPUT CURRENT	20	mA
POWER DISSIPATION	-100	mW
OPERATING TEMP.	-20 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +120	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		5 SEC. MAX



UNCONTROLLED DOCUMENT

*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 -0.00, MAX.=+0.00 -DECIMAL PRECISION

REV.	PART NUMBER
B	OED-MSR430

CONFIDENTIAL INFORMATION
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 DISSEMINATION TO ALL THIRD PARTIES.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

HALL IC MAGNETIC SENSOR.

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.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
BC			3.18.98
			PAGE: 1 OF 1
			SCALE: N/A