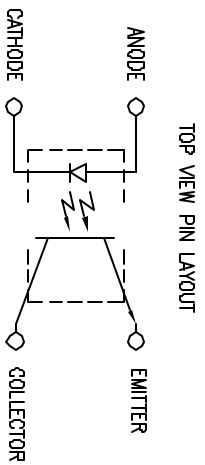
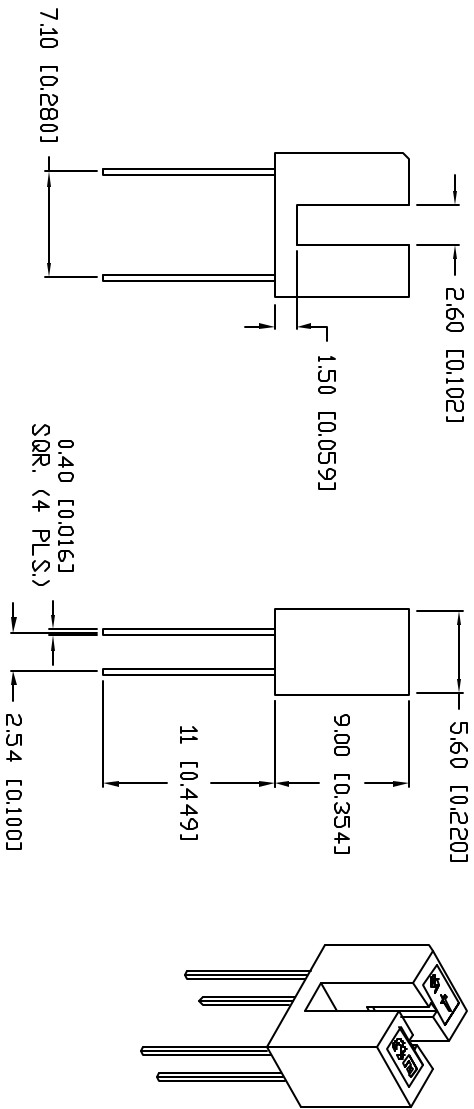
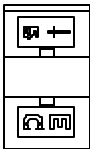


REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.15.03



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

ELECTRO-OPTICAL CHARACTERISTICS $I_A=25\text{C}$ $I_F=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	940			nm	
FORWARD VOLTAGE		1.2	1.6	V	$I_F=30\text{mA}$
REVERSE VOLTAGE		5.0		V	$I_C=10\text{uA}$
DARK CURRENT			100	nA	$V_{CE}=10\text{V}$
C/E SATURATION VOLTAGE			0.4	V	$I_C=0.5\text{mA}$
COLLECTOR ON CURRENT	1	4		mA	$V_{CE}=5\text{V}$
SWITCHING TIME	20			μS	$I_C=100\mu\text{A}$ $V_{CE}=5\text{V}, R_I=100\Omega$

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT	50	mA
REVERSE VOLTAGE	5	V
C/E BREAKDOWN VOLTAGE	30	V
E/C BREAKDOWN VOLTAGE	5	V
POWER DISSIPATION	75	mW
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	5 SEC. MAX	

PART NUMBER

OED-S12671

REV. A

PHOTO INTERRUPTER.

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.

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 OSMENATION 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

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
BC			12.30.97
			PAGE: 1 OF 1
			SCALE: N/A