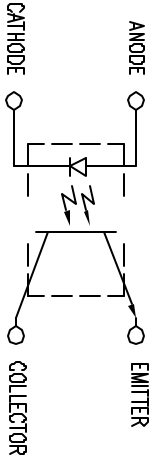
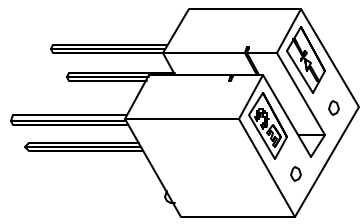
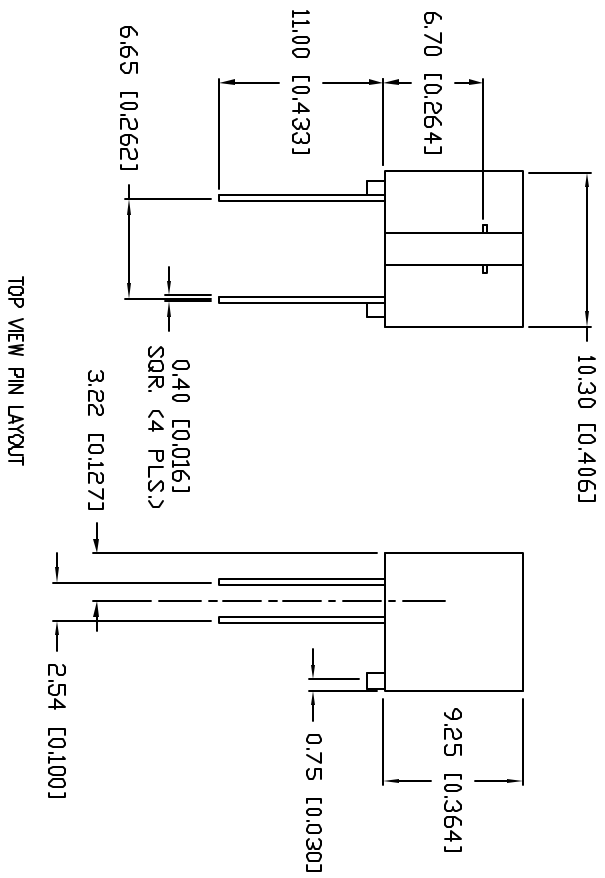
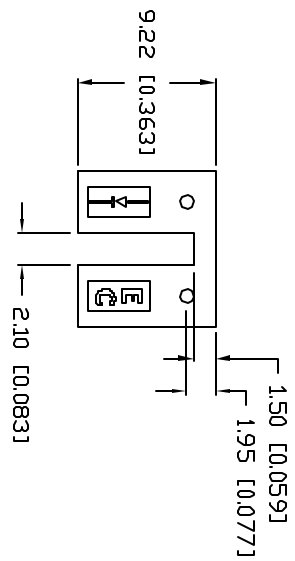


REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.15.03



ELECTRO-OPTICAL CHARACTERISTICS $I_A = 25\text{mA}$ $I_F = 20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		940		nm	
FORWARD VOLTAGE		1.2	1.6	V	$I_F = 20\text{mA}$
REVERSE VOLTAGE		5.0		V	$I_C = 10\text{ }\mu\text{A}$
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	0.5			mA	$V_{CE} = 5\text{V}$
SWITCHING TIME		20		μs	$I_C = 100\text{ }\mu\text{A}$ $V_{CE} = 5\text{V}$, $R_L = 100\text{ }\Omega$

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.	+280	°C
2.0mm FROM BODY	5 SEC. MAX	

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=#1 (+0.030), X#=#103 (+0.020), X#X=#125 (+0.010), XXX#=#10,127 (+0.005), LEAD SIZE=#0.08 (+0.002), LEAD LENGTH=#0.75 (+0.030), MIN=-0.00

PART NUMBER
OED-SIV2167

PHOTO INTERRUPTER.

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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.



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

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