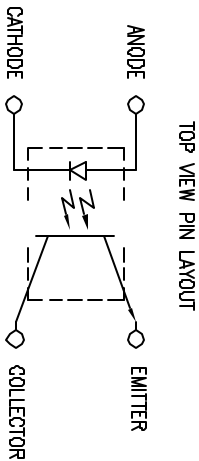
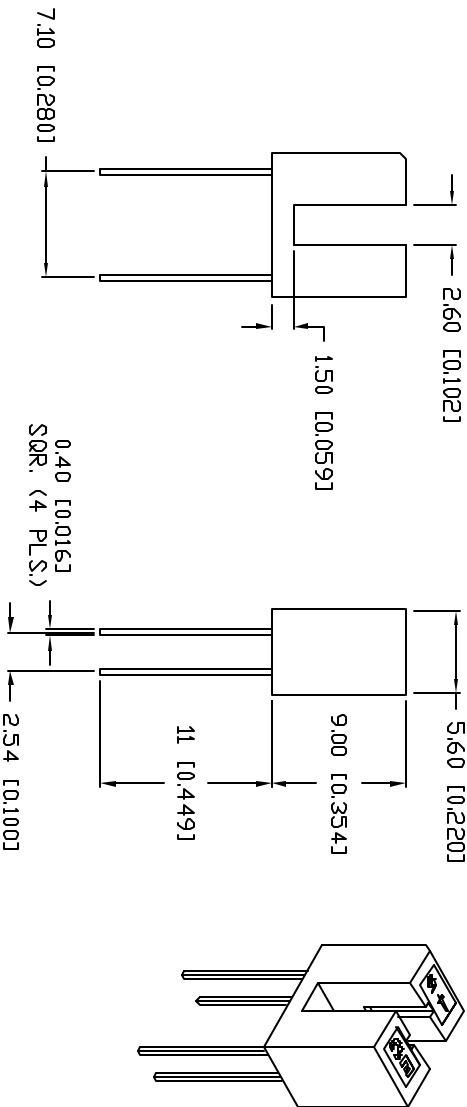
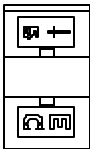


REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.15.03



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (+0.025), 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

PART NUMBER

OED-S12671

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.

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

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	$I_C=10\text{ }\mu\text{A}$
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	1	4		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	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	5 SEC. MAX	



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