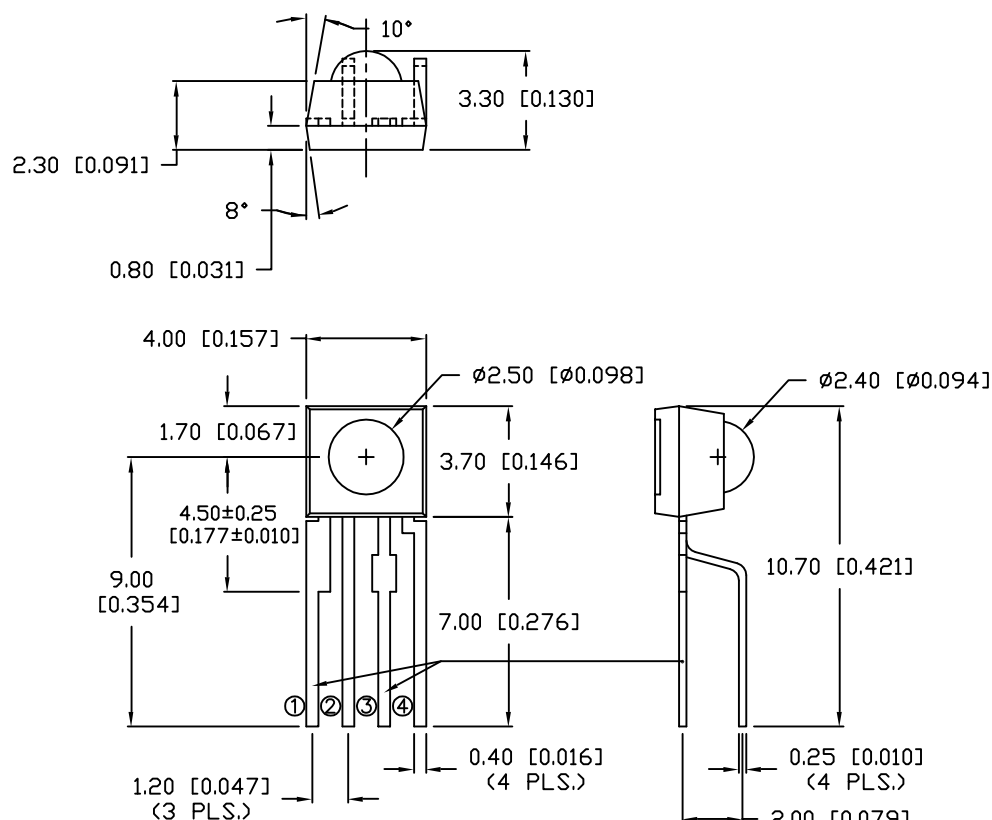


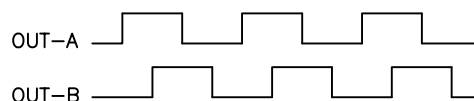
UNCONTROLLED DOCUMENT



PINS:

1. GND.
2. VCC.
3. OUT-A
4. OUT-B

TIMING CHART:

PART NUMBER
OED-LDR2444REV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR.	2.19.01

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$, $R_s=100\text{K}\Omega$

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
SUPPLY VOLTAGE	V_{CC}		3.5	5.0	5.5	V
SUPPLY CURRENT	I_{CC}	$V_{CC}=5.5\text{V}$ (all output low)		0.1	1.0	μA
INPUT LEAKAGE	I_{in}	$V_{CC}=5.0\text{V}$, $V_{in}=5.0\text{V}$ (for $T_1\sim T_4$)			250	μA
OUTPUT CURRENT	I_{oh}	$V_{CC}=5\text{V}$, $V_{oh}=4.5\text{V}$	2.5			mA
	I_{ol}	$V_{CC}=5\text{V}$, $V_{ol}=0.5\text{V}$			.450	μA
PULSE DURATION	T_{on}			15		μS
	T_{off}			15		μS
LENS COLOR:		WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	UNITS	RATING	UNITS
SUPPLY VOLTAGE	V_{CC}	-0.2 ~ 7	V
OTHER VOLTAGE		-0.3 ~ $V_{CC}+0.3$	V
OPERATING TEMP.	T_{opr}	-20 TO +75	$^\circ\text{C}$
STORAGE TEMP.	T_{str}	-20 TO +80	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.039), $X.X=\pm 0.5$ (± 0.020), $X.XX=\pm 0.25$ (± 0.010), $X.XXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.
APART NUMBER
OED-LDR24442.4mm DOMED RIGHT ANGLE DETECTOR,
4 LEADED WATER CLEAR LENS.

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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.



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CT			3.12.98
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