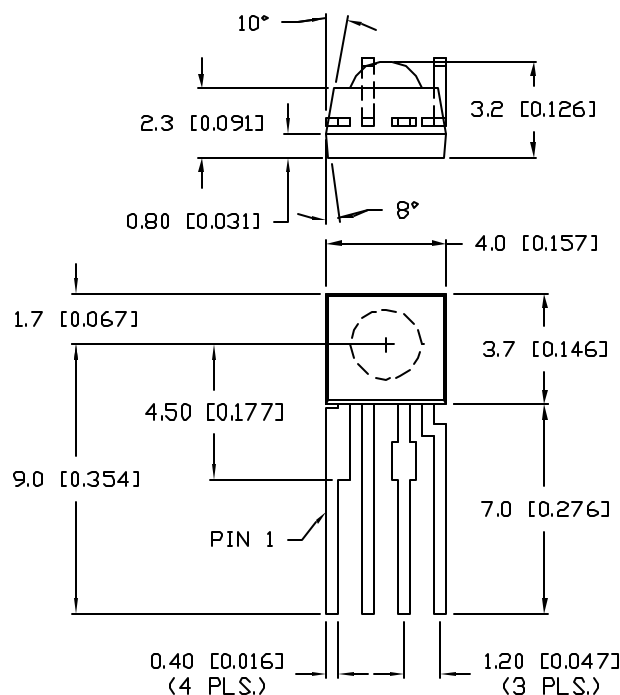


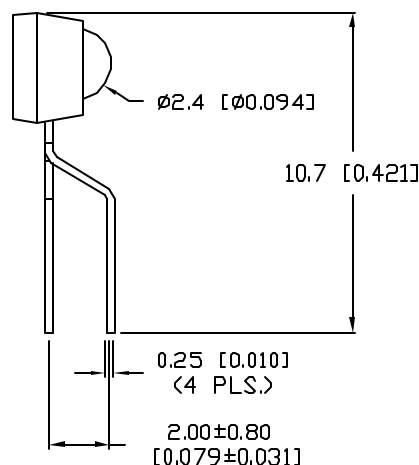
OED-LDR2444H-45TR

PRELIMINARY IN P/N DIR

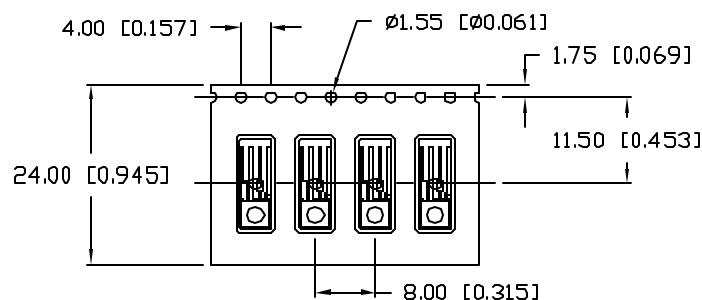


NOTES:

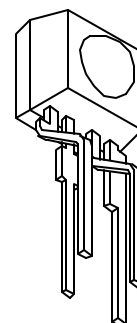
1. CHIPS ARE MOUNTED HORIZONTALLY.
2. 2200 PIECES PER EACH 13" REEL.



TAPE SPEC DETAIL



TAPE FEED DIRECTION →



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$, $R_s=100\text{K}\Omega$					
PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX. UNITS
SUPPLY VOLTAGE	V_{CC}		3.5	5.0	5.5 V
SUPPLY CURRENT	I_{CC}	$V_{CC}=5.5\text{V}$ (all output low) PHOTO DETECTOR 1 DARK		0.1	1.0 μA
INPUT LEAKAGE	I_{IN}	$V_{CC}=5.0\text{V}$ $V_{IN}=5.0\text{V}$ (for $T_1 \sim T_4$)			750 μA
OUTPUT CURRENT	I_{OH} I_{OL}	$V_{CC}=5.0\text{V}$, $V_{OH}=4.5\text{V}$ $V_{CC}=5.0\text{V}$, $V_{OL}=0.5\text{V}$			-450 μA 2.5 mA
PULSE DURATION	T_{ON}			15	μS
PULSE DURATION	T_{OFF}			15	μS
EPOXY LENS FINISH: BLACK RESIN EPOXY					

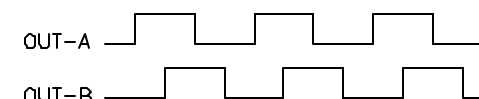
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	RATING	UNITS
SUPPLY VOLTAGE	V_{CC}	-0.2~7.0	V
OTHER VOLTAGE		-0.3~ $V_{CC}+0.3$	V
OPERATING TEMP.	T_{OPR}	-40 TO +75	$^\circ\text{C}$
STORAGE TEMP.	T_{STR}	-40 TO +80	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

PIN OUT:

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

TIMING CHART:



UNCONTROLLED DOCUMENT

*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.=+DECIMAL PRECISION

REV.

PART NUMBER

OED-LDR2444H-45TR

2.4mm DOMED RIGHT ANGLE DETECTOR,
4 LEADED, BLACK RESIN EPOXY,
HORIZONTAL CHIPS, TAPE AND REEL.

CONFIDENTIAL INFORMATION

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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

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 5.15.01

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PAGE: 1 OF 1

SCALE: N/A