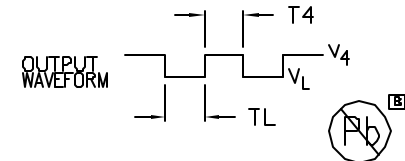
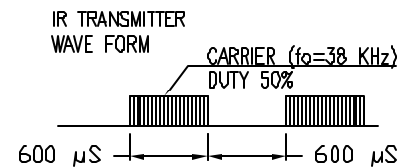
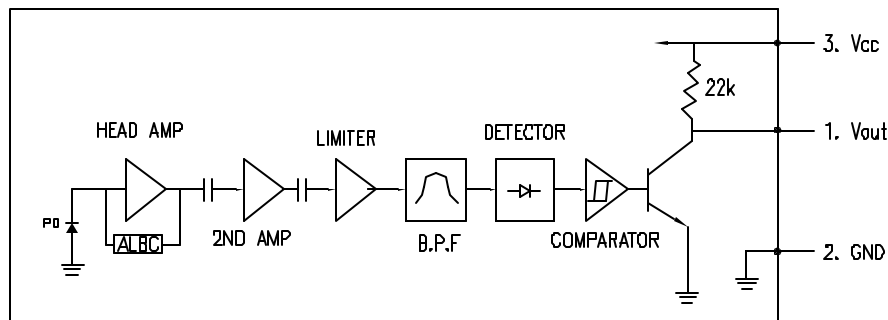
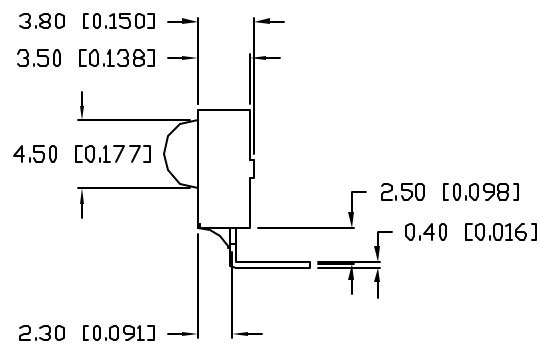
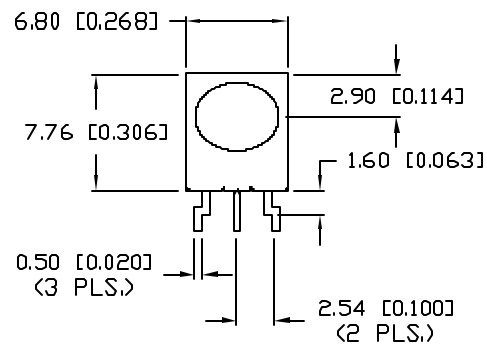
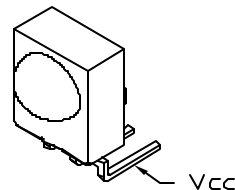
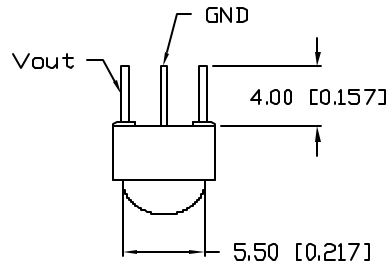


UNCONTROLLED DOCUMENT



PART NUMBER		REV.
OED-MRM791-2F		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.30.03
B	E.C.N. #11148.	5.7.07

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS
SUPPLY VOLTAGE	V_{cc}	4.5	5.0	5.5	V
SUPPLY CURRENT	I_{cc}	-	-	3.0	mA
DETECTING DISTANCE	L	8	-	-	m
HALF ANGLE	θ_h	-	45	-	DEG
	θ_v	-	35	-	DEG
B.P.F. CENTER FREQUENCY	f_0	-	38	-	kHz
PEAK WAVELENGTH	λ_p	-	940	-	nm
HIGH LEVEL OUTPUT VOLT.	V_{eh}	4.5	-	-	V
LOW LEVEL OUTPUT VOLT.	V_{el}	-	0.2	0.5	V
HIGH/LOW LVL. PULSE WIDTH	TH/TL	400	-	800	μs

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	6	V
STEADY CURRENT	3	mA
OPERATING TEMP.	-20 TO +70	$^\circ\text{C}$
STORAGE TEMP.	-20 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
4.0mm FROM BODY	5 SEC. MAX	

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

REV.

B

PART NUMBER

OED-MRM791-2F

MINI RECIEVER MODULE,
RIGHT ANGE LEADS.

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 DISSEMINATION TO ALL THIRD PARTIES.

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:

JC

CHECKED BY:

APPROVED BY:

DATE: 3.18.98

PAGE: 1 OF 1

SCALE: N/A