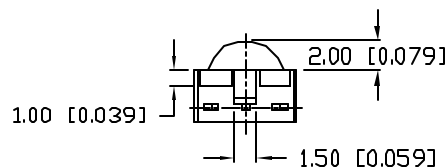
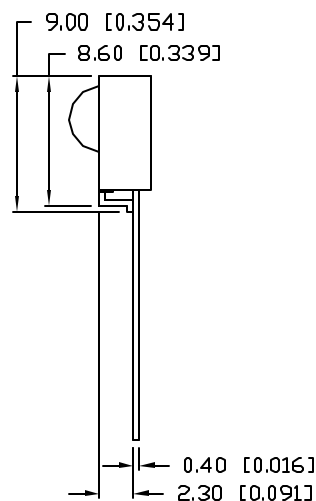
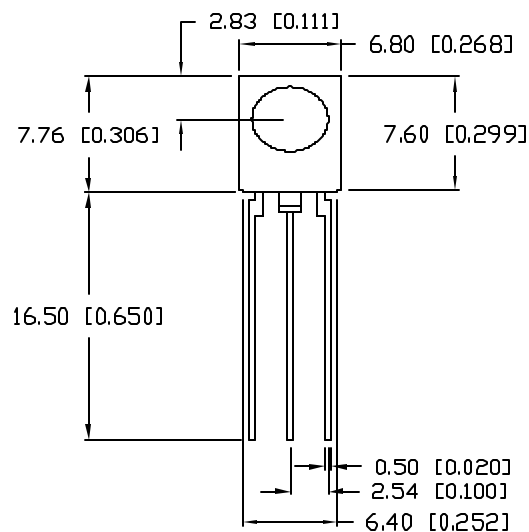
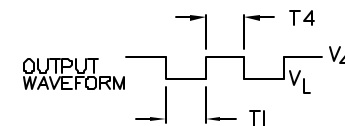
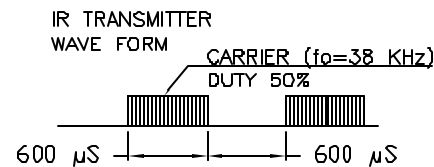
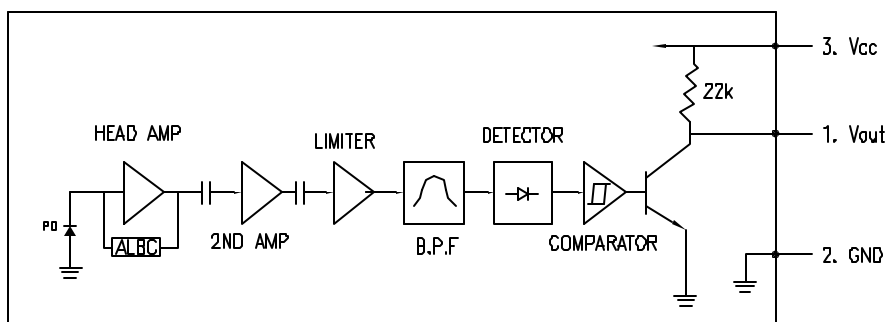


UNCONTROLLED DOCUMENT



NOTES:

1. OUTPUT
2. GND
3. Vcc



UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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.=^{+DECIMAL PRECISION}_{-0.00} MAX.=^{+0.00}_{-DECIMAL PRECISION}

REV.

A

PART NUMBER

OED-MRM790-2F

MINI RECIEVER MODULE,
STRAIGHT LEADS.

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.



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PAGE: 1 OF 1

SCALE: N/A

PART NUMBER

OED-MRM790-2F

REV.

A

REV. E.C.N. NUMBER AND REVISION COMMENTS

A E.C.N. #10BRDR.

DATE

1.30.03

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS
SUPPLY VOLTAGE	Vcc	4.5	5	5.5	V
SUPPLY CURRENT	Icc	—	—	3	mA
DETECTING DISTANCE	L	8	—	—	m
HALF ANGLE	θ	—	±45	—	DEG
B.P.F. CENTER FREQUENCY	f _o	—	38	—	KHz
B.P.F. BANDWIDTH	fbw	—	3	—	KHz
PEAK WAVELENGTH	p	—	940	—	nm
HIGH LEVEL OUTPUT VOLT.	V _{eh}	Vcc	—	—	V
LOW LEVEL OUTPUT VOLT.	V _{ol}	—	—	0.5	V
HIGH/LOW LVL. PULSE WIDTH	TH/TL	400	—	800	μS

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	UNITS	RATING	UNITS
SUPPLY VOLTAGE	Vcc	6	V
SUPPLY CURRENT	Icc	3	mA
OPERATING TEMP.	T _{opr}	-30 TO +85	°C
STORAGE TEMP.	T _{str}	-40 TO +85	°C
SOLDERING TEMP.	T _{sol}	+260	°C
2.0mm FROM BODY			3 SEC. MAX