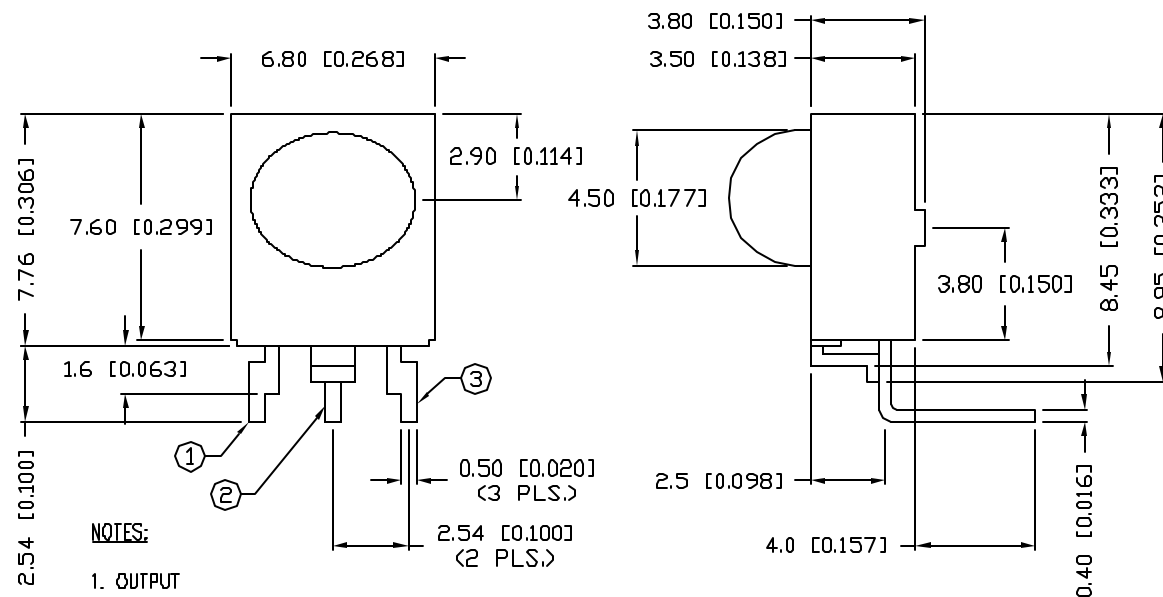


UNCONTROLLED DOCUMENT

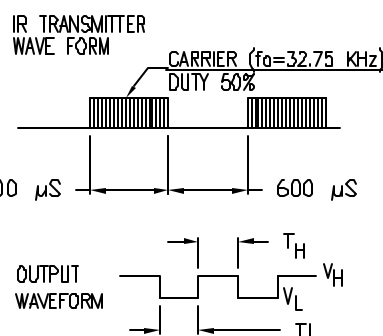
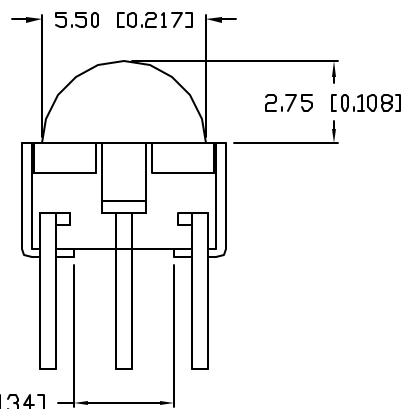
PART NUMBER
OED-MRM797-2FREV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148.	5.7.07



NOTES:

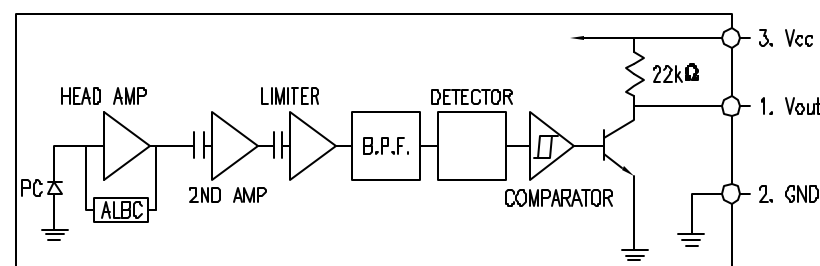
1. OUTPUT
2. GND
3. Vcc

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS
SUPPLY VOLTAGE	V_{cc}	4.5	5	5.5	V
SUPPLY CURRENT	I_{cc}	-	-	3	mA
DETECTING DISTANCE	L	8	-	-	m
VERTICAL HALF ANGLE	θ_v	-	35	-	DEG
HORIZONTAL HALF ANGLE	θ_h	-	45	-	DEG
B.P.F. CENTER FREQUENCY	f_0	-	56.8	-	kHz
PEAK WAVELENGTH	λ_p	-	940	-	nm
HIGH LEVEL OUTPUT VOLT.	V_{eh}	4.5	-	-	V
LOW LEVEL OUTPUT VOLT.	V_{ol}	-	-	0.5	V
HIGH/LOW LVL. PULSE WIDTH	TH/TL	400	-	800	μ S

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
STEADY VOLTAGE	6	V
STEADY CURRENT	3	mA
OPERATING TEMP.	-30 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
4.0mm FROM BODY	3 SEC. MAX	



UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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-MRM797-2F

MINI RECIEVER MODULE, RIGHT ANGLE LEADS.

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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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DATE: 8.20.01

PAGE: 1 OF 1

SCALE: N/A