

UNCONTROLLED DOCUMENT

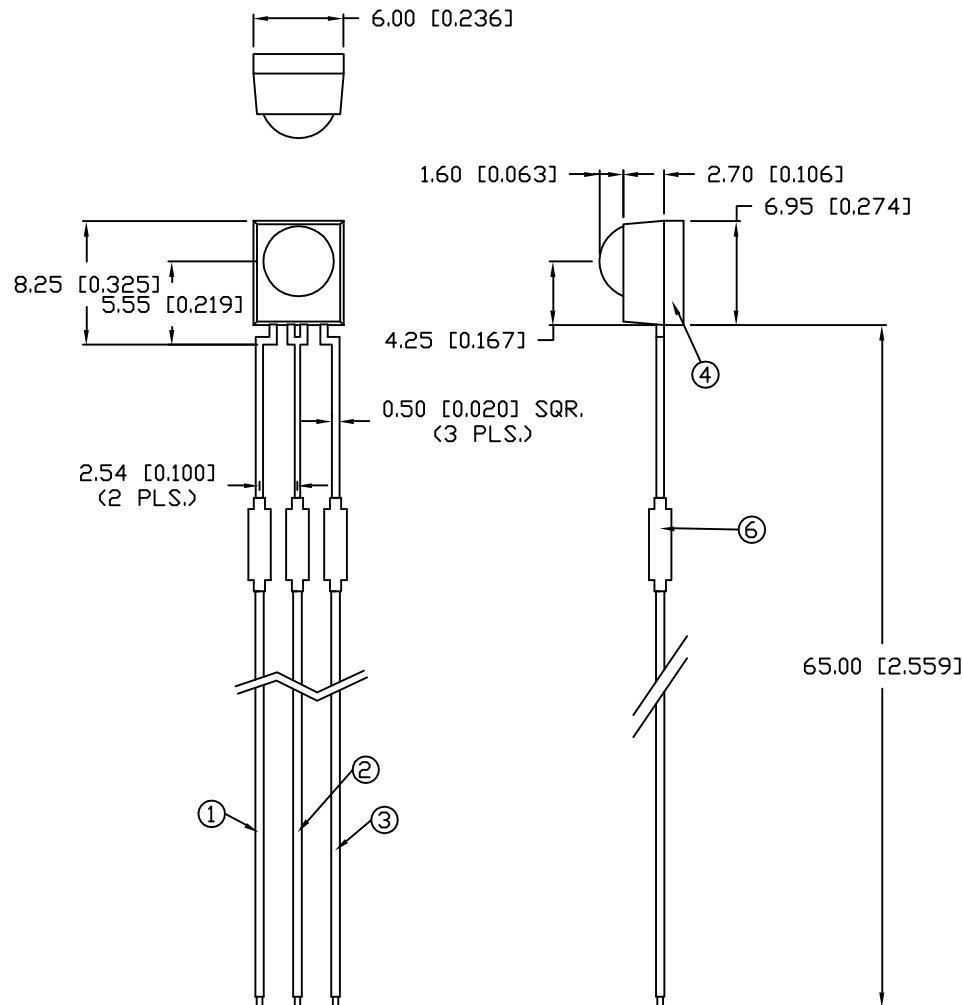
SC:0.50

PART NUMBER

REV.

OED-RMR5059L45-65

PRELIMINARY IN P/N DIR

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS
PEAK WAVELENGTH	λ		940		nm
SUPPLY VOLTAGE	V_{cc}		5		V
SUPPLY CURRENT	I_{cc}		1.2		mA
DETECTING DISTANCE	L_0	14			m
	L_{45}	6			m
HALF ANGLE	θ		± 45		DEG
B.P.F. CENTER FREQUENCY	f_o		38		KHz
HIGH LEVEL OUTPUT VOLT.	V_{oh}	4.5			V
LOW LEVEL OUTPUT VOLT.	V_{ol}		0.2	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	V_{cc}	6	V
SUPPLY CURRENT	I_{cc}	1.2	mA
OPERATING TEMP.	T_{opr}	-25 TO +80	$^\circ\text{C}$
STORAGE TEMP.	T_{str}	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	T_{sol}	+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

NOTES:

1. OUT: BLUE WIRE
2. GND: BLACK WIRE
3. V_{cc} : RED WIRE
4. OED-RMR5059L45 (1PC)
5. HEATSHRINK (3PCS)



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 MAX= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER

OED-RMR5059L45-65

SIDE FIRING, INFRARED REMOTE CONTROL,
RECEIVER MODULE, BLACK 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:

JN

CHECKED BY:

APPROVED BY:

DATE: 8.16.07

PAGE: 1 OF 1

SCALE: N/A