

UNCONTROLLED DOCUMENT

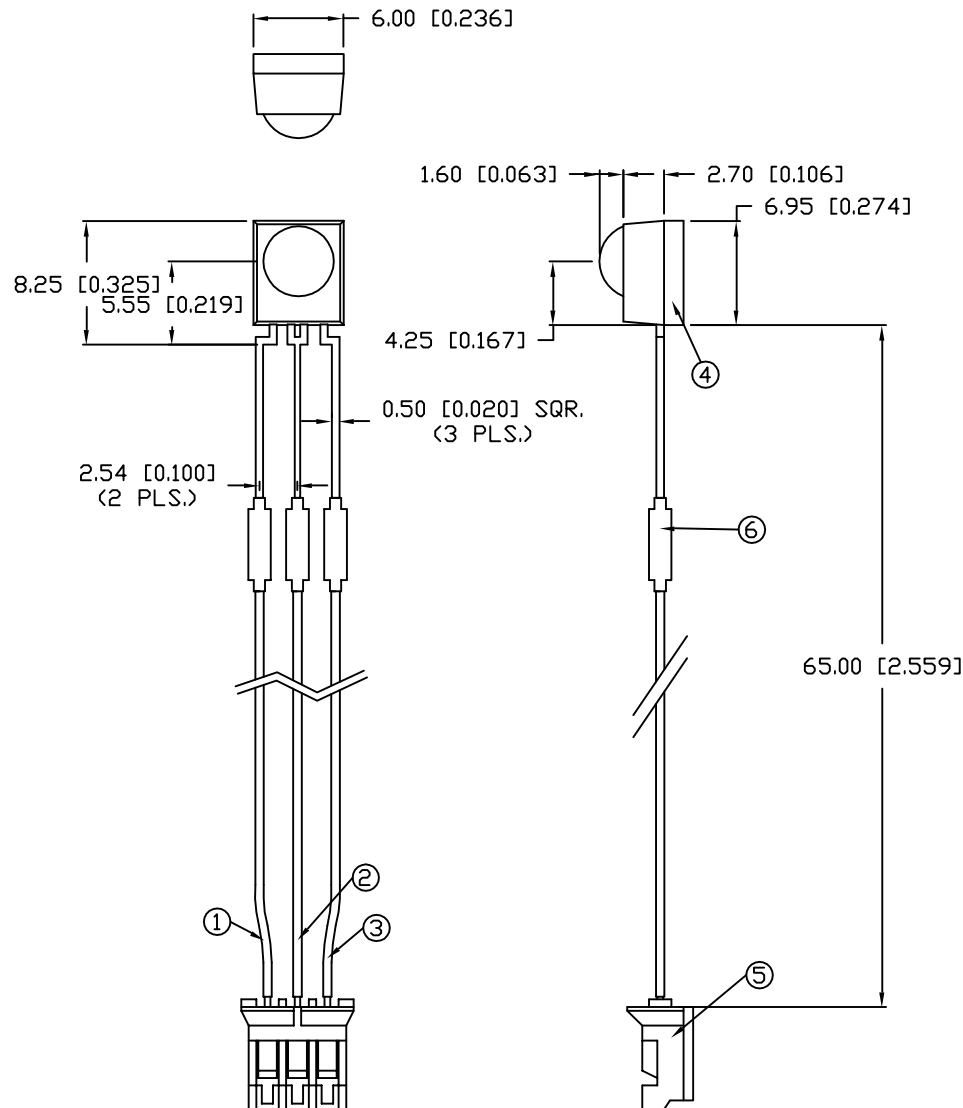
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PART NUMBER

REV.

OED-RMR5059L4565C

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. Vcc: RED WIRE
4. OED-RMR5059L45 (1PC)
5. JWT A2001H02-3P CONNECTOR
6. HEATSHRINK (3PCS)



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*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

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SIDE FIRING, INFRARED REMOTE CONTROL,
RECEIVER MODULE, BLACK 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: 8.16.07

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SCALE: N/A