

UNCONTROLLED DOCUMENT

SC:0.50

PART NUMBER

OED-PCC-9P5-1H

REV.

A

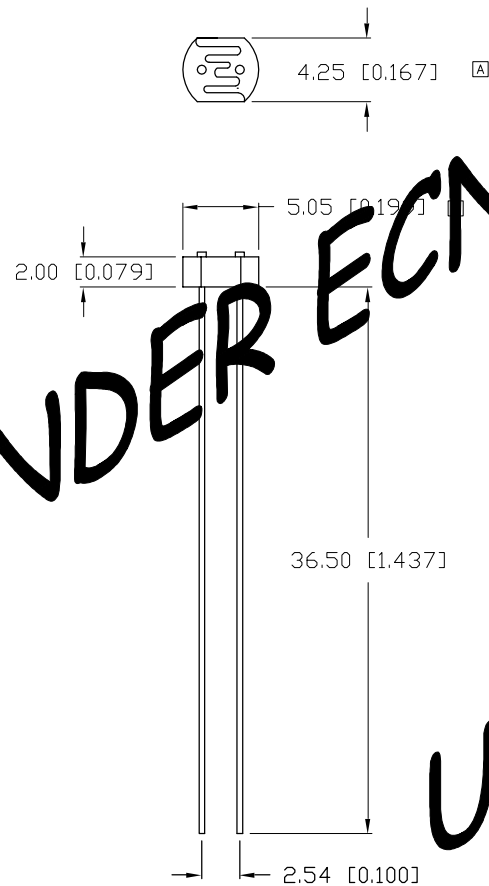
UNDER REVISION

PART NUMBER AND REVISION COMMENTS

A E.C.N. #10BRDR. & 10902

DATE

9.12.02



VARIATION OF CONDUCTANCE WITH TEMPERATURE AND LIGHT

LUX	0.1	1.0	10	100	1000
TEMPERATURE	% CONDUCTANCE				
-25 °C	117	108	98	91	91
0 °C	105	102	96	95	97
25 °C	100	100	100	100	100
50 °C	96	95	104	103	104
75 °C	82	81	98	111	110

RESPONSE TIME VERSUS LIGHT

LUX	0.1	1.0	10	100	1000
RISE (SECONDS)	0.80	0.82	0.140	0.035	0.010
DELAY (SECONDS)	2.96	0.56	0.110	0.043	0.014

PEAK RESPONSE WAVELENGTH (nm)	RESISTANCE (K ohm) 10 LUX		MIN DARK RESISTANCE AFTER 2 SECS.	MAX VOLTAGE RATING (PEAK AC) (volts)	MEASUREMENT VOLTAGE (volts)
	MIN	MAX	MIN (Mega ohm)		
550	50	94	3.0	100	10

NOTES:

1. TEMPERATURE RANGE: -25°C TO +75°C
2. MAXIMUM POWER: 125mW

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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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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.

LUMEX
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PHOTOCONDUCTIVE CELL.

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APPROVED BY:

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PAGE: 1 OF 2

SCALE: N/A

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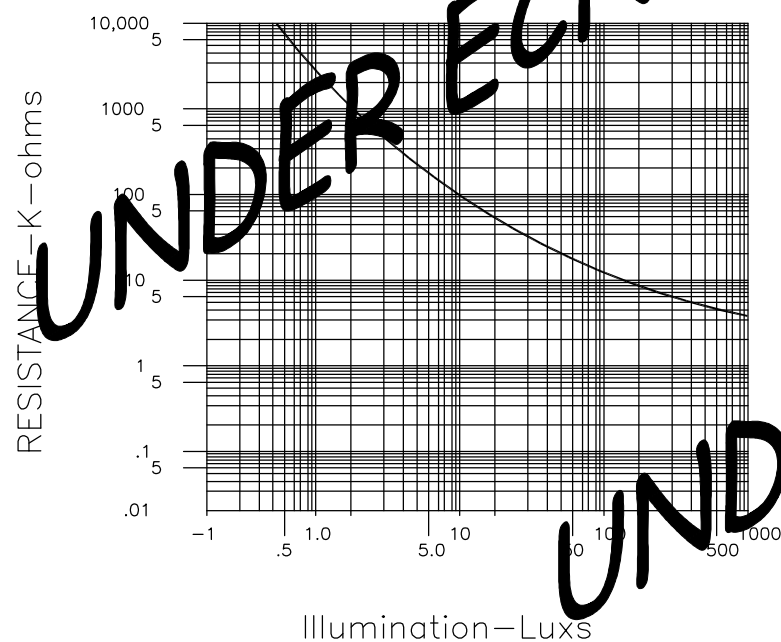
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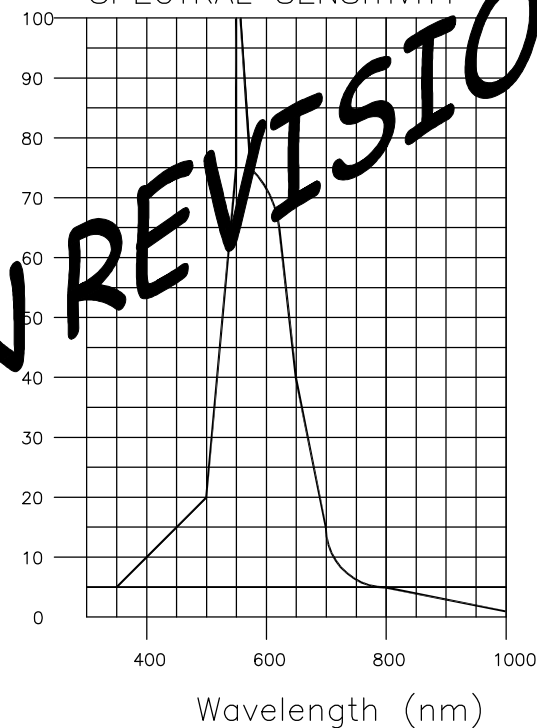
E.C.N. #10BRDR. & 10902.

8.26.02

CELL RESISTANCE CURVES WITH
VARIABLE ILLUMINATION

SPECTRAL SENSITIVITY

RELATIVE SPECTRAL SENSITIVITY



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