	PART NUMBER	REV.
	OED-ST5093C30	A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.30.03

ø5.80 [ø0.228] ø5.00 [ø0.197]

+

8.70 [0.343]

1.00 [0.039]

1.50 [0.059] MAX.

26.50 [1.043]

1.50 [0.059]

0.50 [0.020]

2.45 [0.096]

EMITTER — COLLECTOR

COLLECTOR

EMITTER
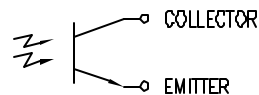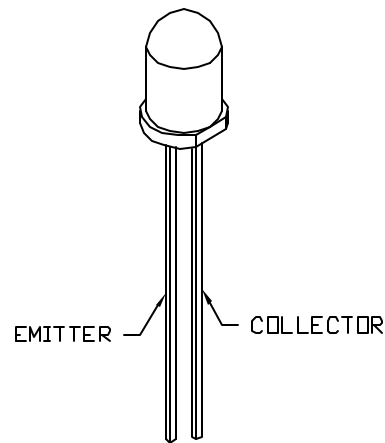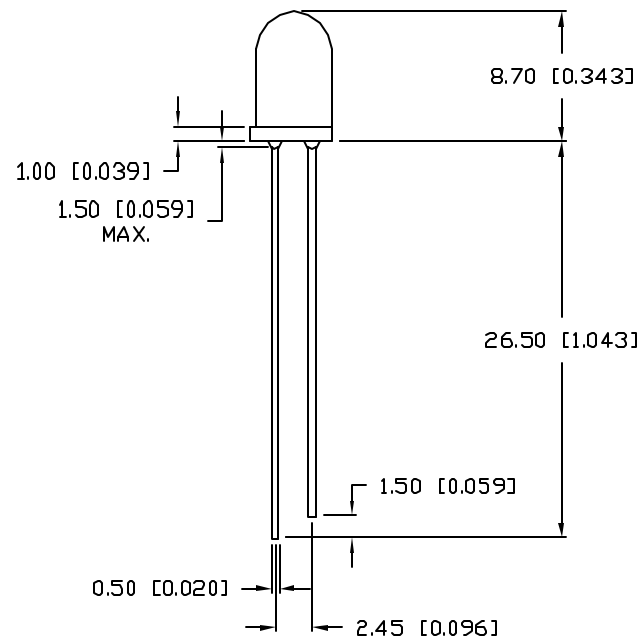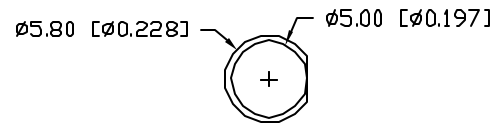
ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
SPECTRAL SENSITIVITY		900		nm	
C/E BREAKDOWN VOLTAGE	30			V	Ic=100µA / Ee= 0.0 mW/cm²
E/C BREAKDOWN VOLTAGE	5.0			V	Ic=100µA / Ee= 0.0 mW/cm²
C/E SATURATION VOLTAGE			0.5	V	Ic= 2 mA / Ee= 20 mW/cm²
COLLECTOR DARK CURRENT			100	nA	Vce=10V / Ee=0.0 mW/cm²
COLLECTOR ON CURRENT	25	35		mA	Vce= 5 V / Ee=1.0 mW/cm²
SWITCHING TIME		15		µS	Ic=1mA / Vce= 5 V, Rl=100Ω

EPOXY FINISH: WATER CLEAR LENS

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
C/E BREAKDOWN VOLTAGE	30	V
E/C BREAKDOWN VOLTAGE	5	V
POWER DISSIPATION	100	mW
OPERATING TEMP.	-20 TO +70	°C
STORAGE TEMP.	-30 TO +80	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3 SEC. MAX	

*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.	PART NUMBER
A	**OED-ST5093C30**

5mm PHOTO TRANSISTOR,

WATER CLEAR LENS.

LUMEX INC.

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BC			PAGE: 1 OF 1
			SCALE: N/A

Mouser Electronics

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