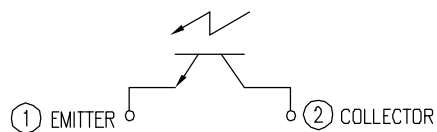
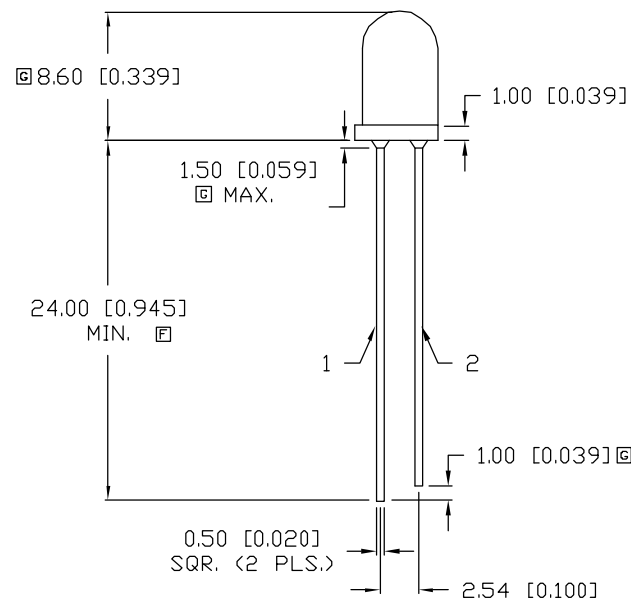
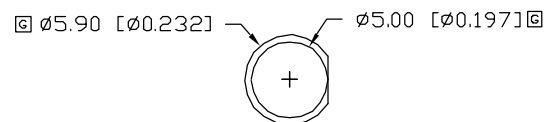


UNCONTROLLED DOCUMENT

PART NUMBER
OED-ST-1L1REV.
G

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHANGED LENGTH OF LEAD.	3.31.93
B	E.C.N. #10150.	4.19.96
C	E.C.N. #10306.	2.6.97
D	E.C.N. #10BRDR. & REDRAWN	1.5.98
E	E.C.N. #10581.	1.4.00
F	E.C.N. #10853. & #10BRDR.	4.19.02
G	E.C.N. #11561.	03.25.09

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
COLLECTOR DARK CURRENT			100	nA	$V_{ce} = 20V$ $E_e = 0\text{mW/cm}^2$
COLLECTOR LIGHT CURRENT	1.77	3.5		mA	$V_{ce} = 5V$ $E_e = 1\text{mW/cm}^2$
COLLECTOR-EMITTER SATURATION VOLTAGE			0.4	V	$I_c = 2.0\text{mA}$ $E_e = 1\text{mW/cm}^2$
SWITCHING SPEEDS					$V_{cc} = 5V$
RISE TIME		15		μS	$I_c = 1\text{mA}$
FALL TIME		15		μS	$R_L = 1000\Omega$
PEAK WAVELENGTH		940		nm	
SPECTRAL SENSITIVITY	400		1100	nm	
ANGULAR RESPONSE		$\pm 10^\circ$			
LENS COLOR:	CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
COLLECTOR-EMITTER VOLTAGE (V_{ce})	30	V
EMITTER-COLLECTOR VOLTAGE (V_{ce})	5	V
POWER DISSIPATION	75	mW
OPERATING TEMPERATURE	-25 TO +85	$^\circ\text{C}$
STORAGE TEMPERATURE	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX



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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 MAX.= +0.00 -DECIMAL PRECISION

REV.
GPART NUMBER
OED-ST-1L1T-5mm PHOTOTRANSISTOR,
WATER CLEAR LENS.

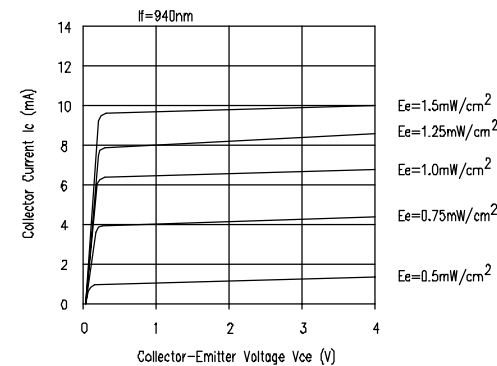
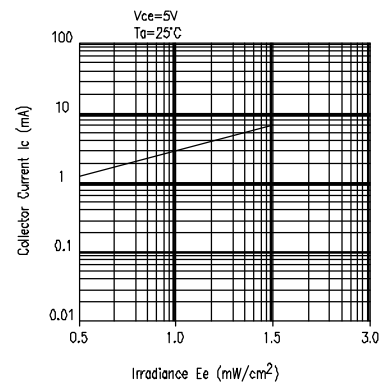
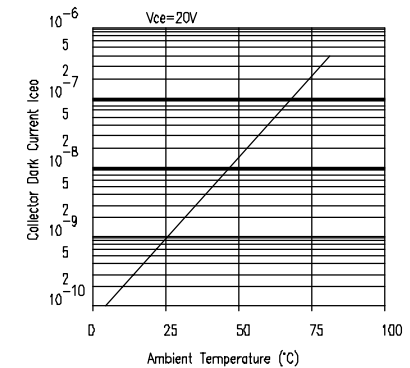
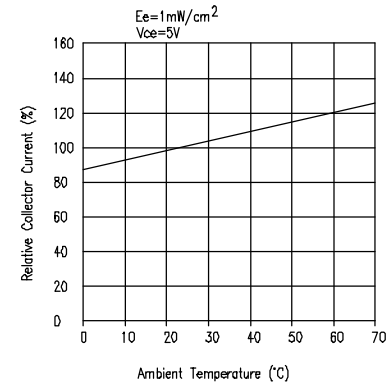
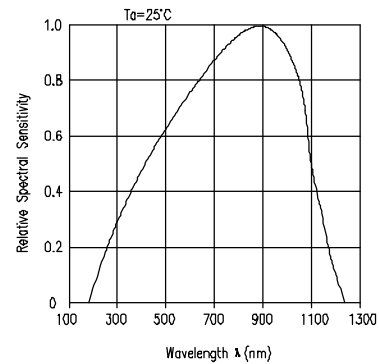
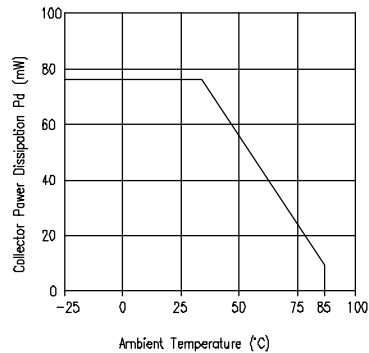
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RELIABILITY NOTE
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REV.

G

PART NUMBER

OED-ST-1L1

T-5mm PHOTOTRANSISTOR,
WATER CLEAR LENS.

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