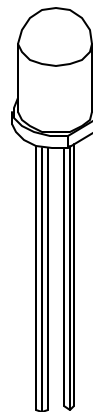
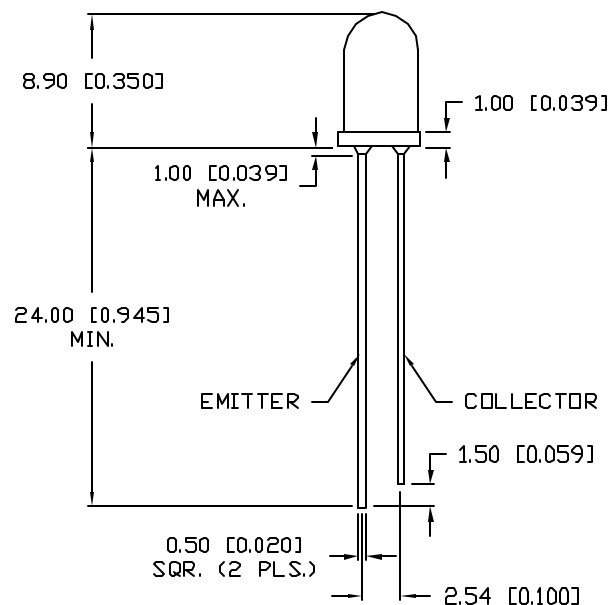
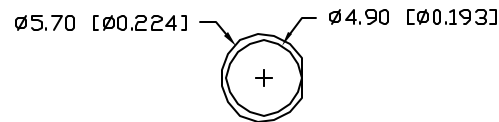


UNCONTROLLED DOCUMENT

PART NUMBER
OED-ST-1L1R2REV.
D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10150.	4.19.96
B	E.C.N. #10360.	2.6.97
C	E.C.N. #10BRDR.	1.5.98
D	E.C.N. #10853 & #10BRDR.	4.19.02

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
COLLECTOR DARK CURRENT			100	nA	$V_{ce0} = 10\text{V}$ $E_e=0\text{mW/cm}^2$
COLLECTOR LIGHT CURRENT	4.0	15.0		mA	$V_{ce} = 3\text{V}$ $E_v = 1000\text{ LUX}$
COLLECTOR-EMITTER SATURATION VOLTAGE			0.4	V	$I_c=0.2\text{mA}$ $E_v=1000\text{ LUX}$
SWITCHING SPEEDS					$V_{cc} = 10\text{V}$
RISE TIME		2.5		μS	$I_c = 1\text{mA}$
FALL TIME		3.8		μS	$R_L = 100\Omega$
PEAK WAVELENGTH		880		nm	
SPECTRAL SENSITIVITY	700		1050	nm	
ANGULAR RESPONSE		± 10			
LENS COLOR:	BLACK				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
COLLECTOR-EMITTER VOLTAGE (V_{ce0})	20	V
EMITTER-COLLECTOR VOLTAGE (V_{ce0})	5	V
POWER DISSIPATION	100	mW
OPERATING TEMPERATURE	-20 TO +80	$^\circ\text{C}$
STORAGE TEMPERATURE	-30 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
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=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

REV.
DPART NUMBER
OED-ST-1L1R2

CONFIDENTIAL INFORMATION
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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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T-5mm PHOTOTRANSISTOR,
WATER CLEAR LENS, WITH DAYLIGHT FILTER.

DRAWN BY:

GB

CHECKED BY:

APPROVED BY:

DATE: 1.5.98

PAGE: 1 OF 1

SCALE: N/A