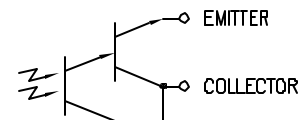
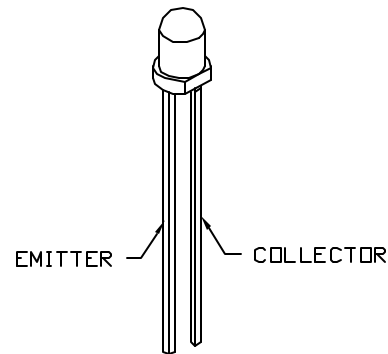
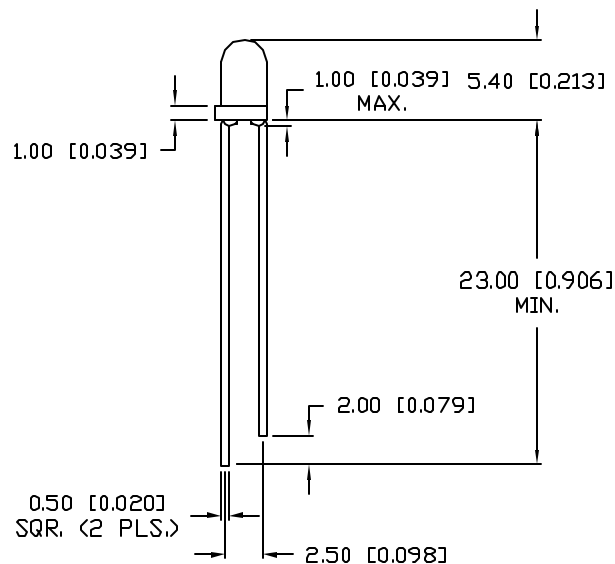
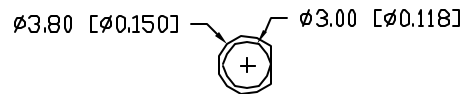


UNCONTROLLED DOCUMENT

PART NUMBER
OED-PT-8LREV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR.	1.5.98
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.30.03

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
SPECTRAL SENSITIVITY	450	800	1050	nm	
C/E SATURATION VOLTAGE			1.4	V	$I_c = 1\text{ mA}$ $E_e = ??\text{ mW/cm}^2$ $V_{ce} = 10\text{ V}$
COLLECTOR DARK CURRENT			1000	nA	$E_e = 0.0\text{ mW/cm}^2$ $V_{ce} = 5\text{ V}$
COLLECTOR ON CURRENT	25	50		mA	$E_e = 1.0\text{ mW/cm}^2$ $I_c = 5\text{ mA}$ $V_{ce} = 5\text{ V}, R_l = 100\ \Omega$
RISE/FALL TIME		40/60		μS	
EPOXY FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
C/E BREAKDOWN VOLTAGE	20	V
E/C BREAKDOWN VOLTAGE	4	V
COLLECTOR CURRENT	50	mA
POWER DISSIPATION	100	mW
OPERATING TEMP.	-20 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-25 TO +80	$^\circ\text{C}$
SOLDERING TEMP.	+230	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

UNCONTROLLED DOCUMENT

*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.
BPART NUMBER
OED-PT-8LNPN SILICON PHOTOTRANSISTOR,
DARLINGTON CONFIGURATION, WATER CLEAR LENS.

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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DRAWN BY: BC	CHECKED BY:	APPROVED BY:	DATE: 6.24.96 PAGE: 1 OF 1 SCALE: N/A
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