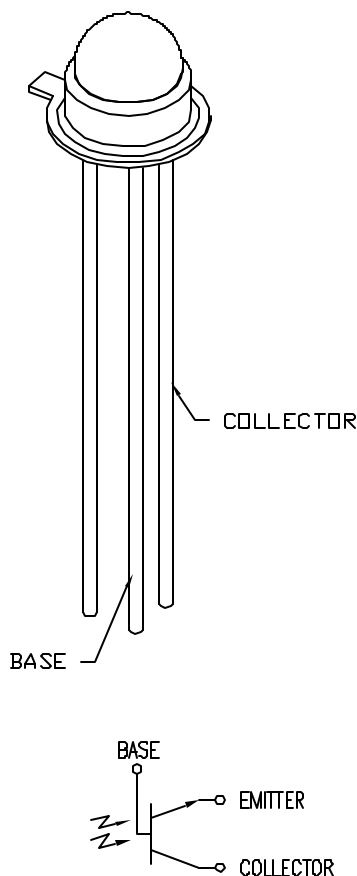
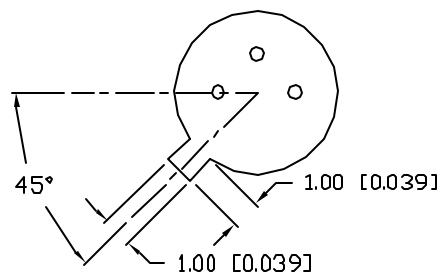
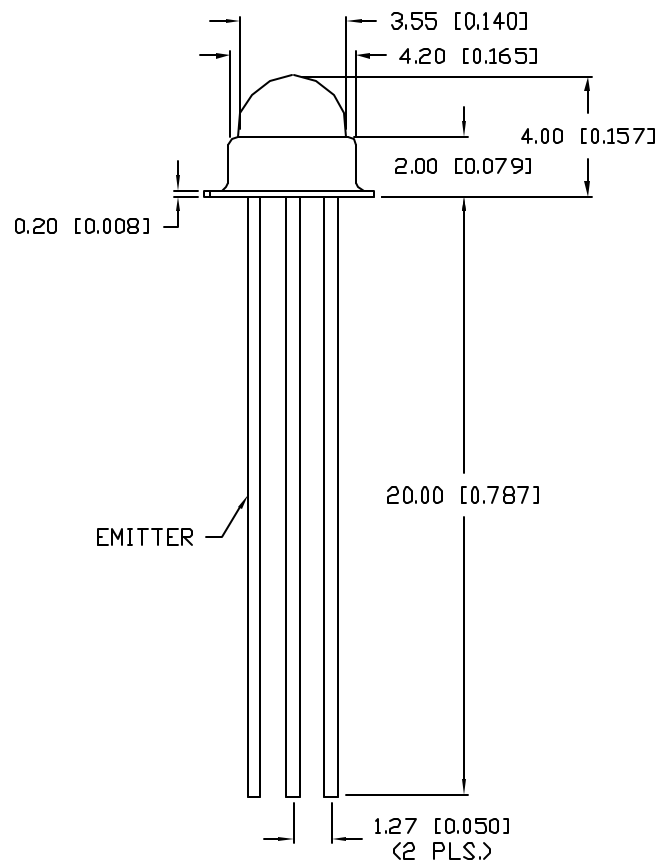


UNCONTROLLED DOCUMENT

PART NUMBER
OED-ST-1MLBREV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
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	500	880	1050	nm	
C/E BREAKDOWN VOLTAGE	40			V	$I_c = 100 \mu\text{A}$
E/C BREAKDOWN VOLTAGE	4			V	$I_c = 100 \mu\text{A}$
C/E SATURATION VOLTAGE			0.4	V	$I_c = 1 \text{ mA}$ $E_e = 0.2 \text{ mW/cm}^2$
COLLECTOR DARK CURRENT			100	nA	$V_{ce} = 10 \text{ V}$ $E_e = 0.0 \text{ mW/cm}^2$
COLLECTOR ON CURRENT		2.5		mA	$V_{ce} = 5 \text{ V}$ $E_e = 0.03 \text{ mW/cm}^2$
RISE/FALL TIME		8/10		μS	$I_c = 5 \text{ mA}$ $V_{ce} = 5 \text{ V}, R_l = 100 \Omega$
EPOXY FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
C/E BREAKDOWN VOLTAGE	40	V
E/C BREAKDOWN VOLTAGE	4	V
COLLECTOR CURRENT	100	mA
POWER DISSIPATION	100	mW
OPERATING TEMP.	-25 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-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), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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.
APART NUMBER
OED-ST-1MLBTO-18 CAN, LOW PROFILE SILICON PHOTO TRANSISTOR,
HERMETICALLY SEALED.

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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:	CHECKED BY:	APPROVED BY:	DATE: 12.22.97
BC			PAGE: 1 OF 1
			SCALE: N/A

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