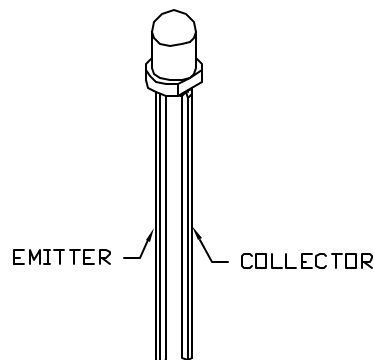
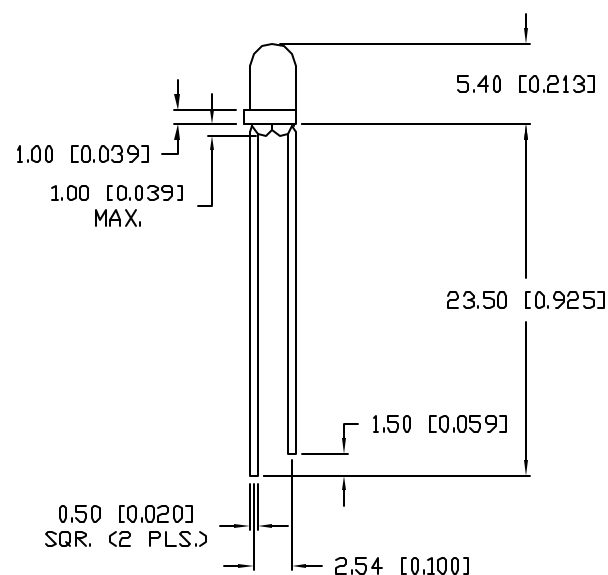


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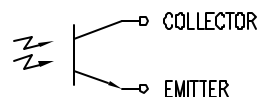
PART NUMBER
OED-ST-8LR2REV.
B

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

$\phi 3.80$ [0.150] $\phi 3.00$ [0.118]



EMITTER COLLECTOR

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
SPECTRAL SENSITIVITY	700	880	1050	nm	
C/E BREAKDOWN VOLTAGE	30			V	$I_c = 100\mu\text{A}$ $E_e = 0.0\text{ mW/cm}^2$
E/C BREAKDOWN VOLTAGE	5			V	$I_c = 100\mu\text{A}$ $E_e = 0.0\text{ mW/cm}^2$
C/E SATURATION VOLTAGE			0.4	V	$I_c = 2\text{ mA}$ $E_e = 20\text{ mW/cm}^2$
COLLECTOR DARK CURRENT			100	nA	$V_{ce} = 10\text{ V}$ $E_e = 0.0\text{ mW/cm}^2$
COLLECTOR ON CURRENT	0.5	5.0		mA	$V_{ce} = 5\text{ V}$ $E_e = 1.0\text{ mW/cm}^2$
SWITCHING TIME		40/80		μS	$I_c = 1\text{ mA}$ $V_{ce} = 5\text{ V}, R_L = 1000\Omega$
EPOXY FINISH:	WATER CLEAR				

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	$^\circ\text{C}$
STORAGE TEMP.	-20 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=+0.00 DECIMAL PRECISION MAX=+0.00 DECIMAL PRECISION

REV.
B

PART NUMBER
OED-ST-8LR2

3mm PHOTO TRANSISTOR,
WATER CLEAR LENS.

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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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APPROVED BY:

DATE: 10.4.90

PAGE: 1 OF 1

SCALE: N/A