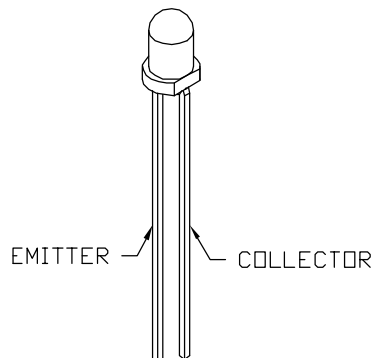
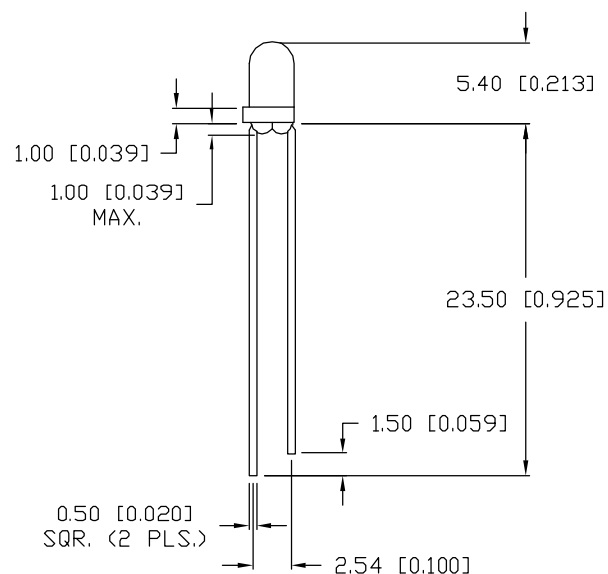
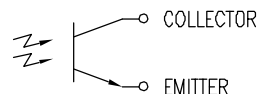


UNCONTROLLED DOCUMENT

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

EMITTER COLLECTOR



PART NUMBER			REV.
OED-ST-8LR			C
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	
C	E.C.N. #11560.	03.13.09	

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
☒ SPECTRAL SENSITIVITY	700	940	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	0.7	2.0	5.07	mA	$V_{ce}=5\text{ V}$ $E_e=1.0\text{ mW/cm}^2$
☒ SWITCHING TIME		15		μS	$I_c=1\text{ mA}$ $V_{ce}=5\text{ V}, R_I=1000\Omega$

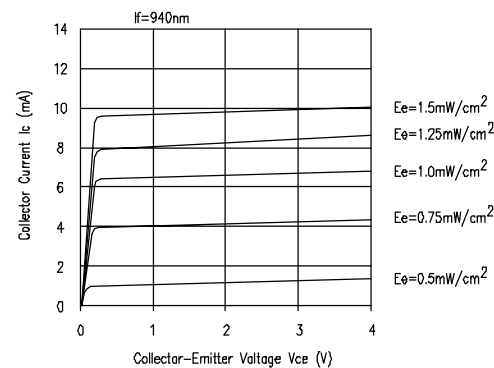
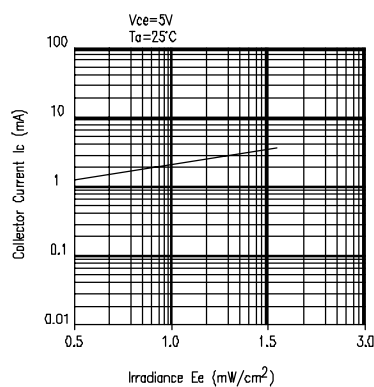
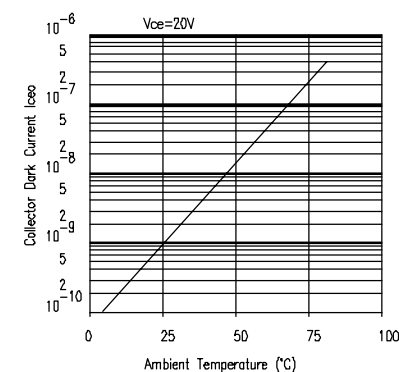
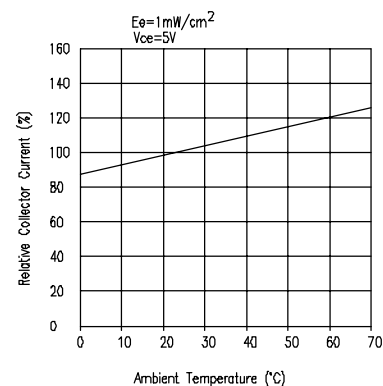
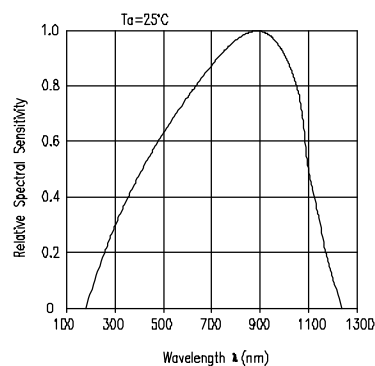
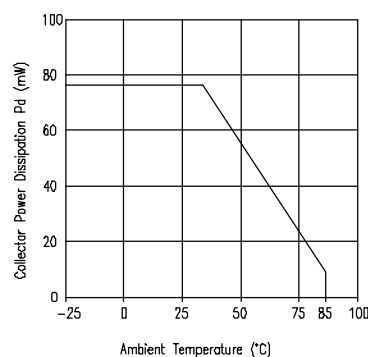
EPOXY FINISH: WATER CLEAR

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
C/E BREAKDOWN VOLTAGE	30	V
E/C BREAKDOWN VOLTAGE	5	V
☒ POWER DISSIPATION	75	mW
☒ OPERATING TEMP.	-25 TO +85	$^\circ\text{C}$
☒ STORAGE TEMP.	-40 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=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV. C	PART NUMBER OED-ST-8LR	CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.	LUMEX An ITW Company	290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
3mm PHOTO TRANSISTOR, WATER CLEAR LENS.		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.	DRAWN BY: BC	CHECKED BY: APPROVED BY: DATE: 10.4.90 PAGE: 1 OF 1 SCALE: N/A



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X \pm 1$ (± 0.039), $X.X \pm 0.5$ (± 0.020), $X.XX \pm 0.25$ (± 0.010), $X.XXX \pm 0.127$ (± 0.005). LEAD SIZE ± 0.05 (± 0.002), LEAD LENGTH ± 0.75 (± 0.030). MIN = +DECIMAL PRECISION MAX = +0.00 -DECIMAL PRECISION

REV.

C

PART NUMBER

OED-ST-8LR

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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

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DATE: 10.4.90

PAGE: 2 OF 2

SCALE: N/A