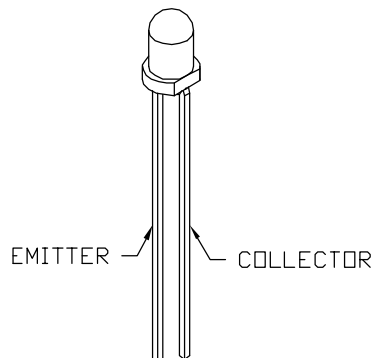
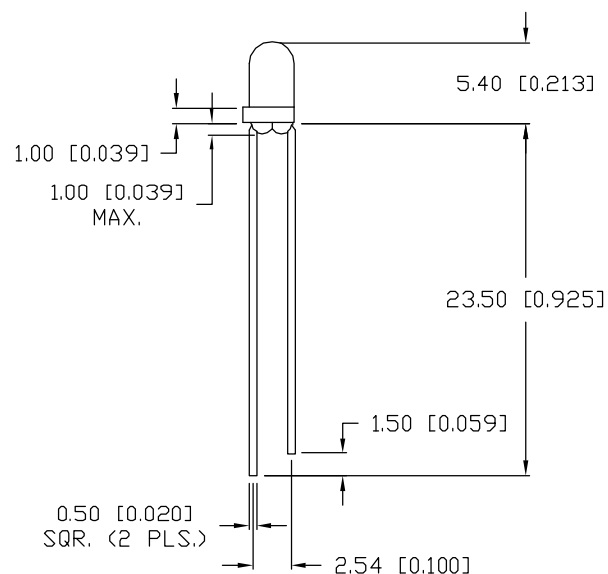
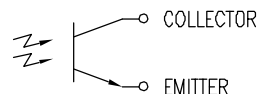


UNCONTROLLED DOCUMENT

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

EMITTER COLLECTOR



PART NUMBER		REV.
OED-ST-8L		D
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10247.	9.30.96
B	E.C.N. #10BRDR.	1.5.98
C	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.30.03
D	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



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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.=+DECIMAL PRECISION MAX.=+0.00-DECIMAL PRECISION

REV.

D

PART NUMBER

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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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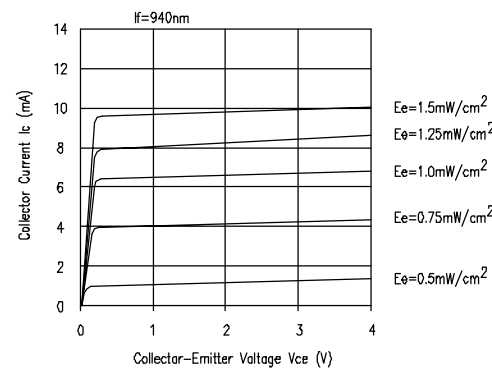
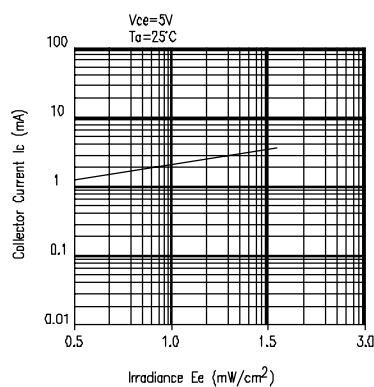
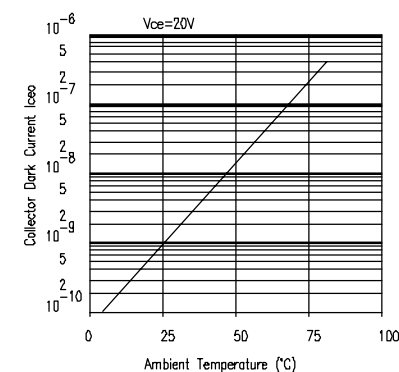
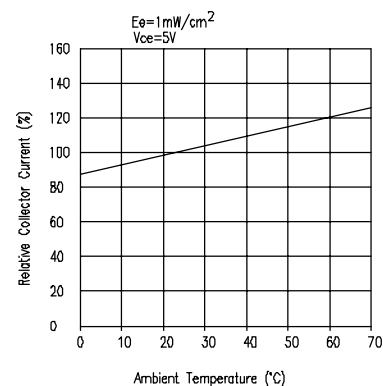
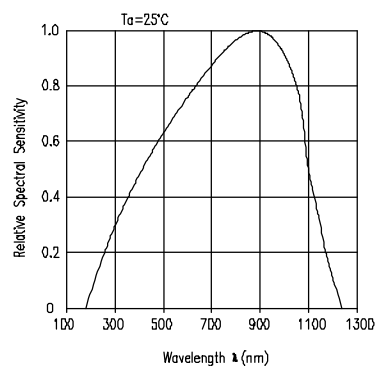
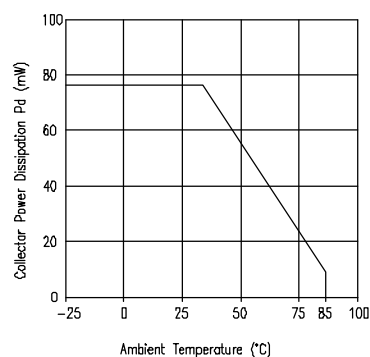
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DATE: 10.4.90

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SCALE: N/A



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