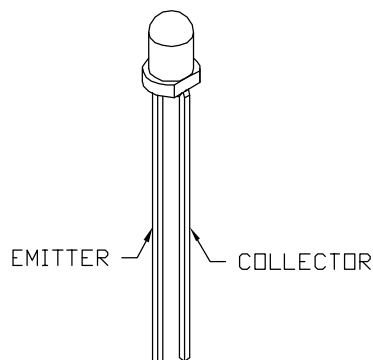
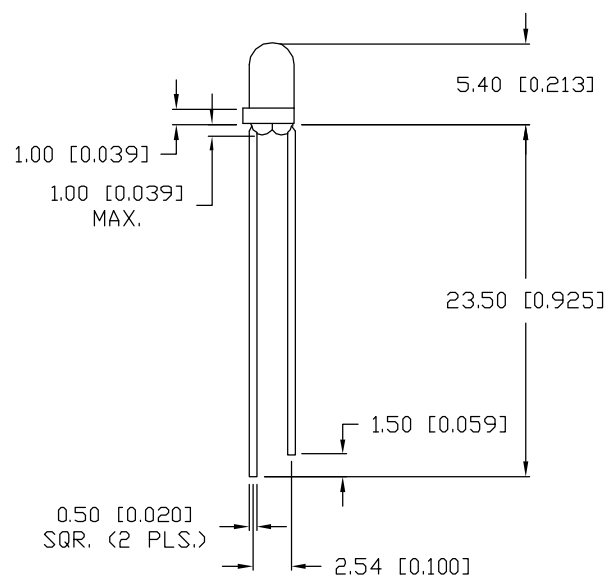


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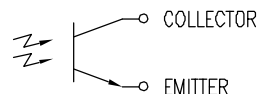
PART NUMBER
OED-ST-8LR2

REV.

C

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


EMITTER COLLECTOR



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.

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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.

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BC

CHECKED BY:

APPROVED BY:

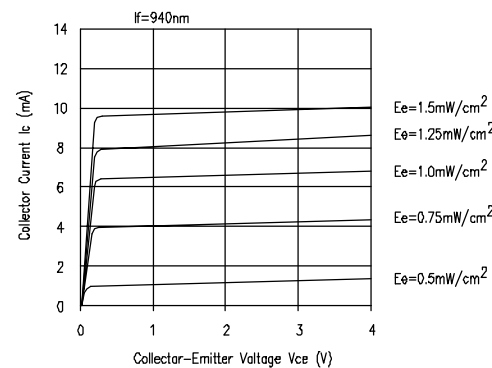
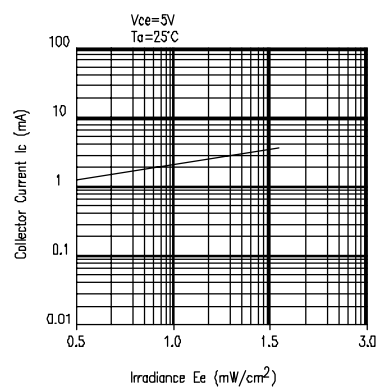
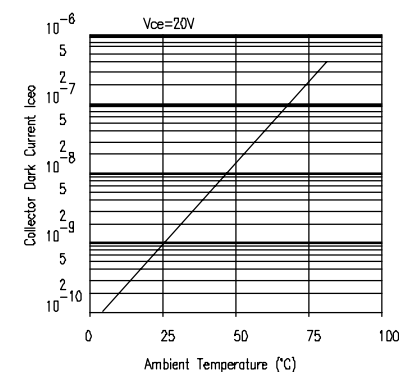
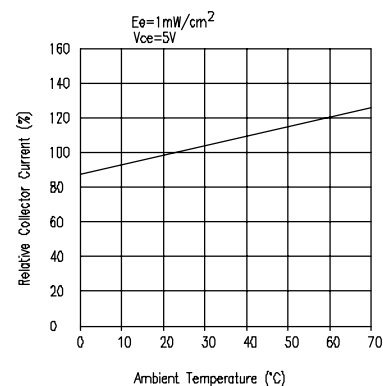
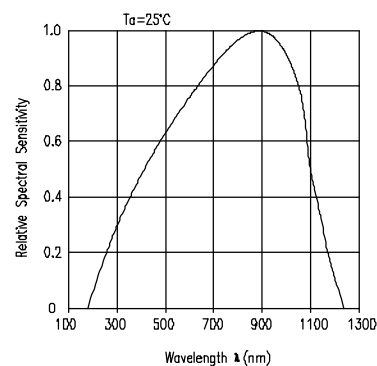
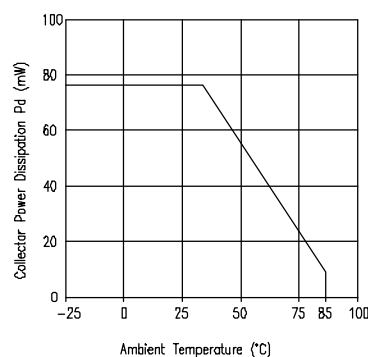
DATE: 10.4.90

PAGE: 1 OF 1

SCALE: N/A

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SCALE: N/A