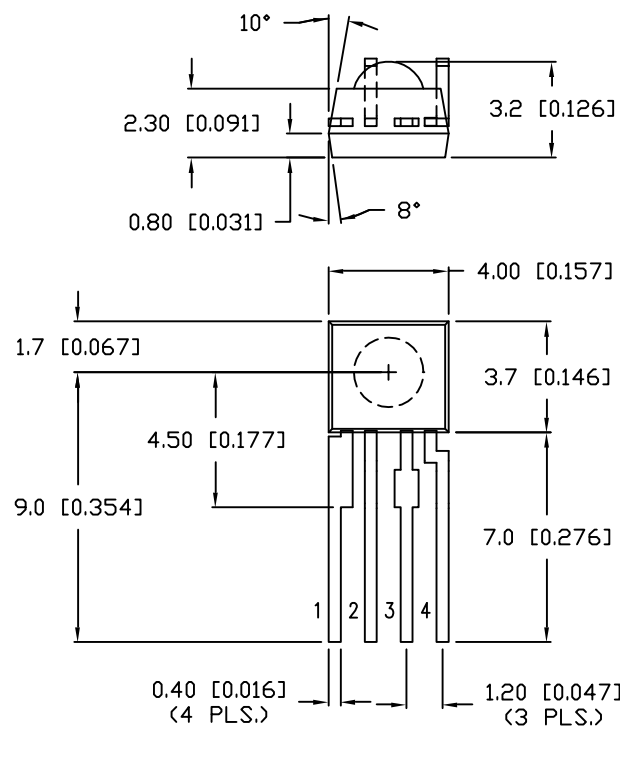
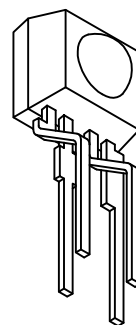


UNCONTROLLED DOCUMENT



PIN OUT:

1. ANODE.
2. OPEN.
3. CATHODE.
4. OPEN.

PART NUMBER
OED-ELR2444

REV.

A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10682.	12.12.00

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		940		nm	
FORWARD VOLTAGE		1.22	1.35	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
RADIANT INTENSITY		3		mW/SR	$I_f=20\text{mA}$
HALF ANGLE		± 25		degrees	

EPOXY LENS FINISH: BLACK

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
STEADY CURRENT	30	mA
POWER DISSIPATION	50	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-20 TO +70	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +90	$^\circ\text{C}$
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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PART NUMBER

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2.4mm DOMED RIGHT ANGLE EMITTER,
4 LEADED, BLACK LENS.

CONFIDENTIAL INFORMATION

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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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