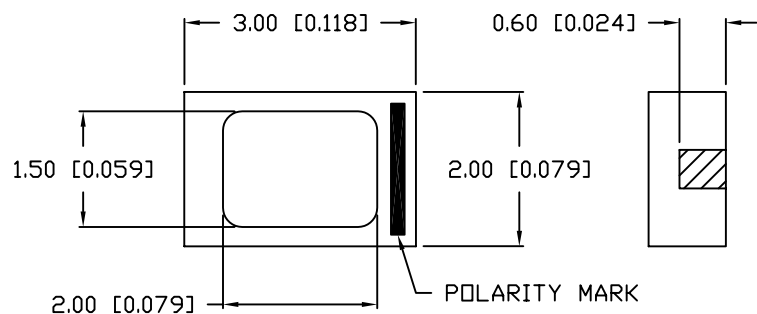
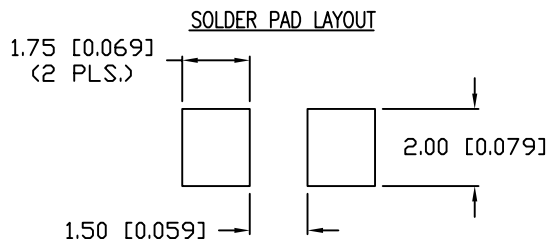
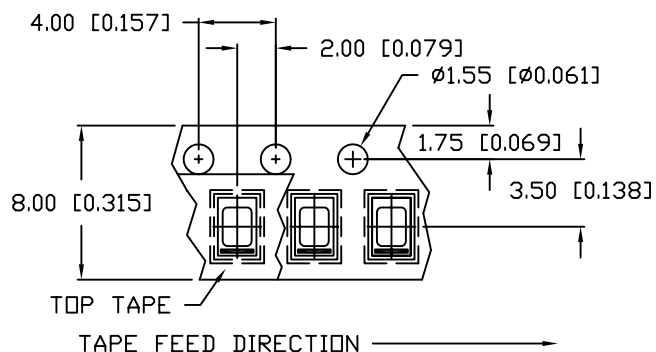
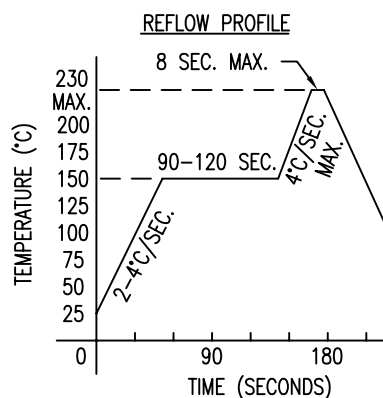
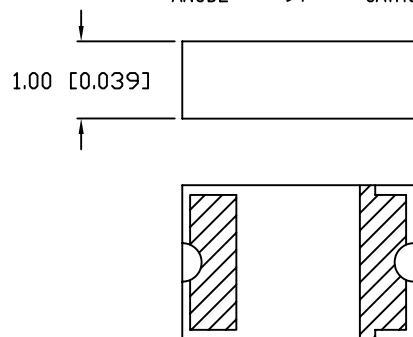




ANODE CATHODE



*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).

PART NUMBER
OED-EL-23A-TR

REV.

E

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10201.	7.2.96
B	E.C.N. #10231.	8.27.96
C	E.C.N. #10BRDR.	1.7.98
D	E.C.N. #10BRDR. & REDRAWN IN 3D.	12.31.02
E	E.C.N. #11141.	6.29.04

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	
SPECTRAL BANDWIDTH		50		nm	
FORWARD VOLTAGE		1.2	1.4	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_r=10\mu\text{A}$
RADIANT INTENSITY	1.0	1.8		mW/SR	$I_f=50\text{mA}$
HALF ANGLE		±50		degrees	
EPOXY LENS FINISH: WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1	A
STEADY CURRENT	50	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°C	-1.6	mW/°C
OPERATING TEMP.	-20 TO +70	°C
STORAGE TEMP.	-30 TO +80	°C

* $t_p < 100\mu\text{s}$, $t_p/T=0.01$

NOTES:

1. 3000 PARTS PER REEL.

REV.

E

PART NUMBER

OED-EL-23A-TR

940nm CERAMIC SURFACE MOUNT INFRARED LED,
WATER CLEAR LENS, TAPE AND REEL.

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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CHECKED BY:

APPROVED BY:

DATE: 2.13.96

PAGE: 1 OF 1

SCALE: N/A