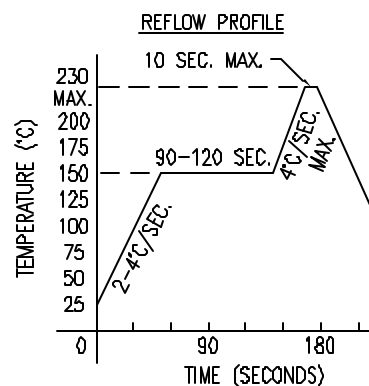
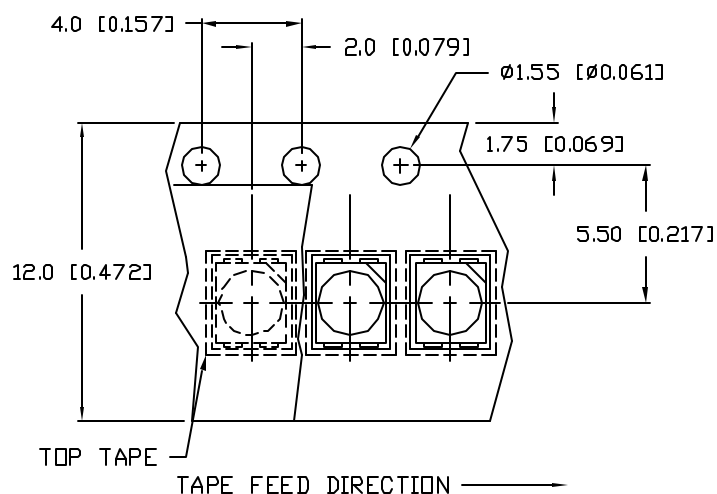
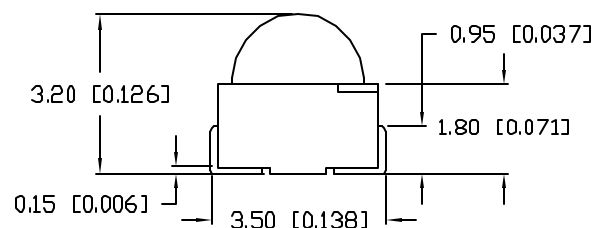
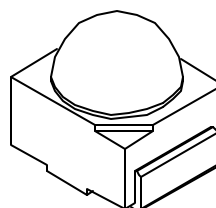
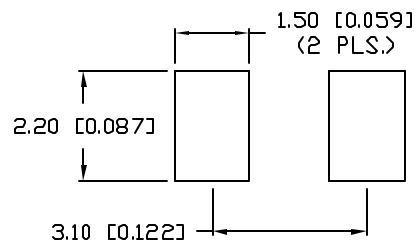


ANODE CATHODE



RECOMMENDED SOLDER PAD LAYOUT

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	1.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=10\mu\text{A}$
RADIANT INTENSITY		4		mW/SR	$I_f=20\text{mA}$
HALF ANGLE		± 30		degrees	
EPOXY LENS FINISH: WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1.2	A
STEADY CURRENT	50	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°C	-1.6	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

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

NOTES:

- 500 PIECES PER REEL.
- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

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

REV.

PART NUMBER

OED-ELL2832C60

2.8mm x 3.2mm SMT LED WITH LENS AND REFLECTOR,
940nm INFRARED EMITTER, WATER CLEAR LENS,
1,000 PIECES PER 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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DATE: 8.11.03

PAGE: 1 OF 1

SCALE: N/A