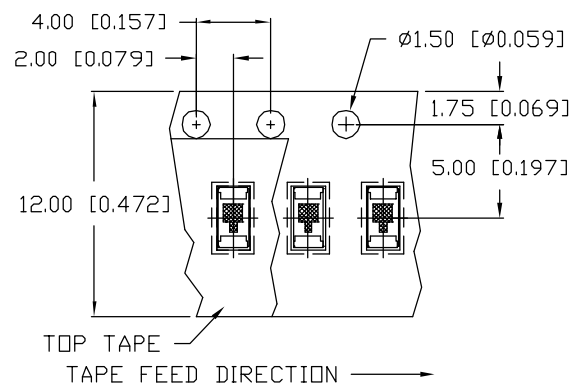
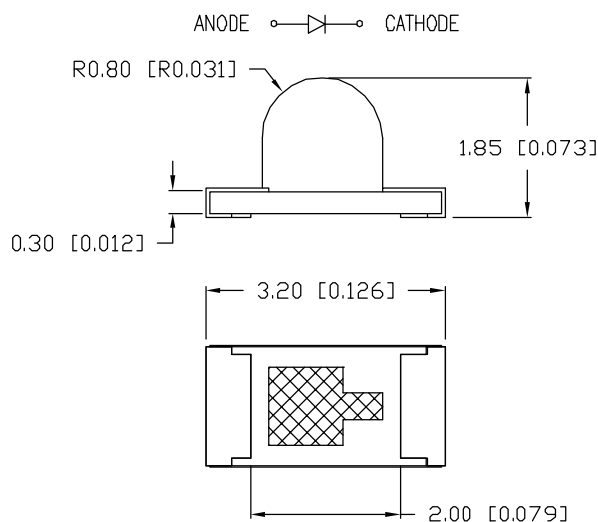
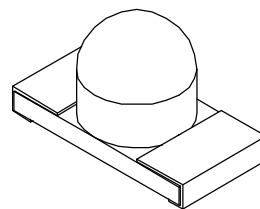
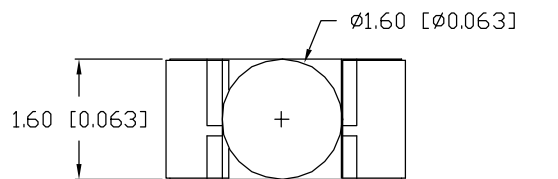
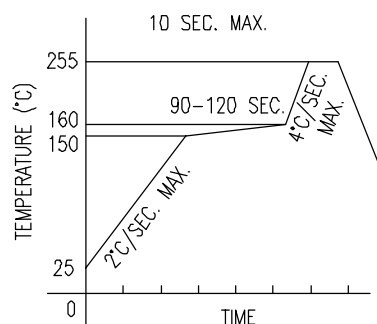




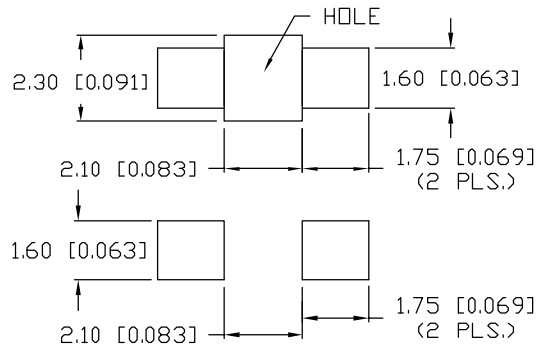
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT



REVERSE
MOUNT

STANDARD
MOUNT

PRELIMINARY IN P/N DIR.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		875		nm	
SPECTRAL BANDWIDTH		50		nm	
FORWARD VOLTAGE		1.3	1.7	V _f	$I_f=20\text{mA}$
REVERSE VOLTAGE	5.0			V _r	$I_r=100\mu\text{A}$
RADIANT INTENSITY		4.5		mW/SR	$I_f=20\text{mA}$
HALF ANGLE		±17.5		degrees	
EPOXY LENS FINISH: WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +100	°C

NOTES:

- 2,000 PIECES PER REEL.
- THE POLARITY MARK IS ORIENTED AWAY FROM THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS



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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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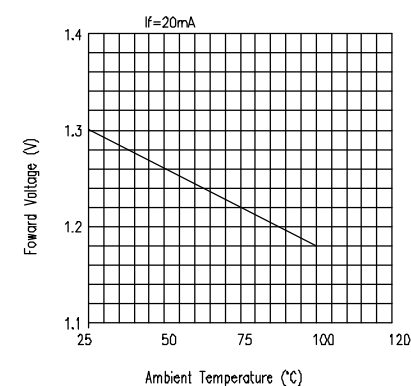
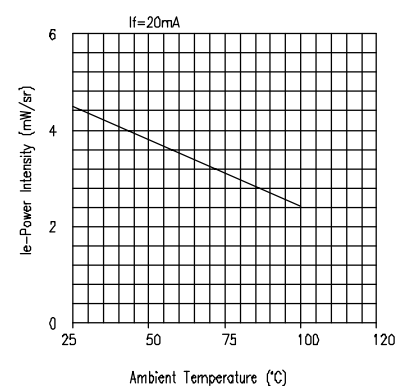
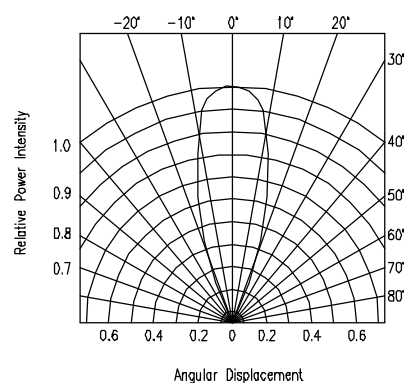
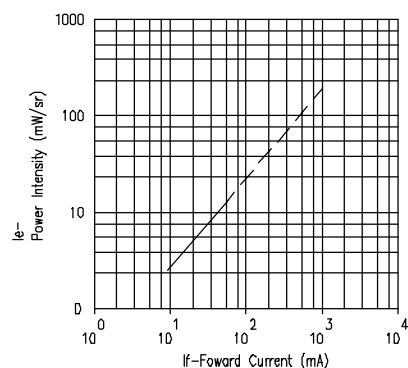
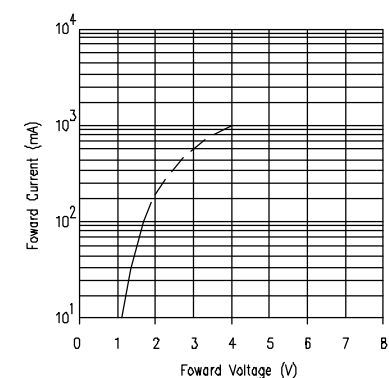
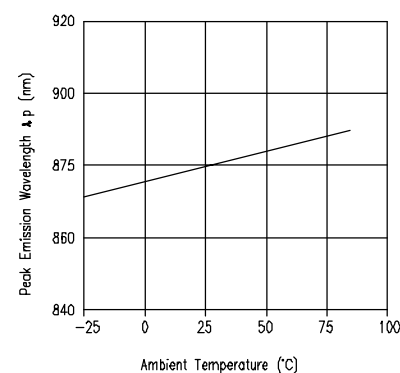
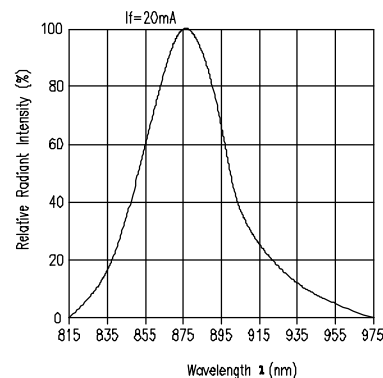
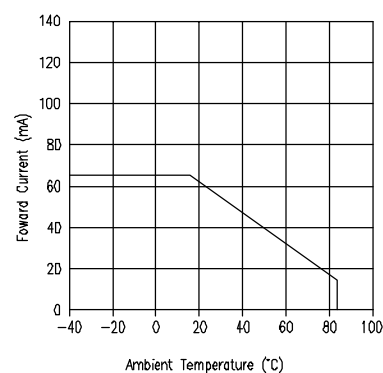
APPROVED BY:

DATE: 11.21.08

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PAGE: 1 OF 2

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REV.

PART NUMBER

OED-CL1307C35-TR

3.2mm x 1.6mm PCB SURFACE MOUNT LED,
875nm IR EMITTER,
WATER CLEAR DOME LENS, TAPE AND REEL.

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