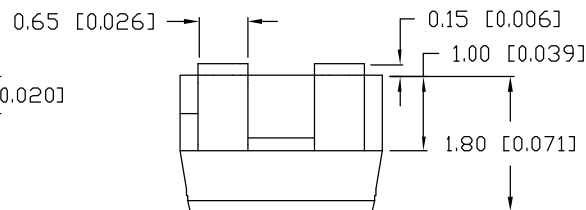
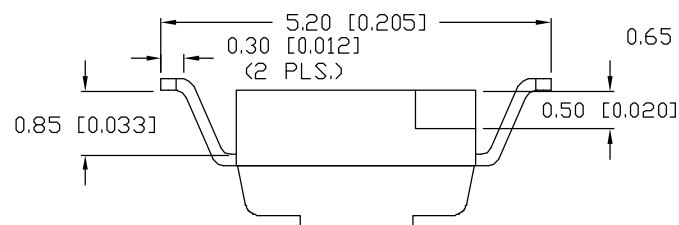
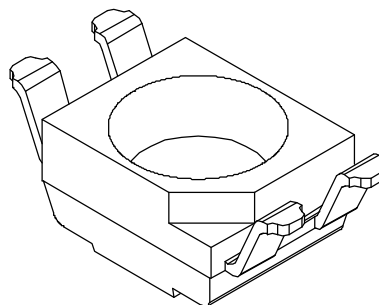
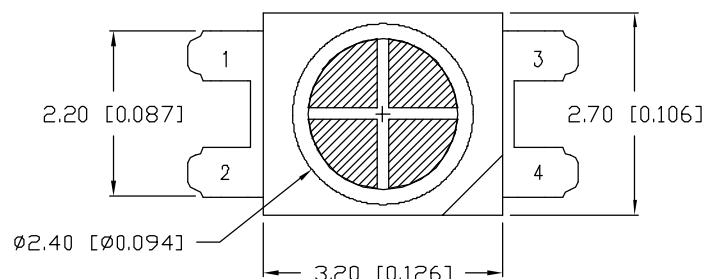
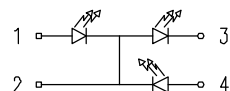


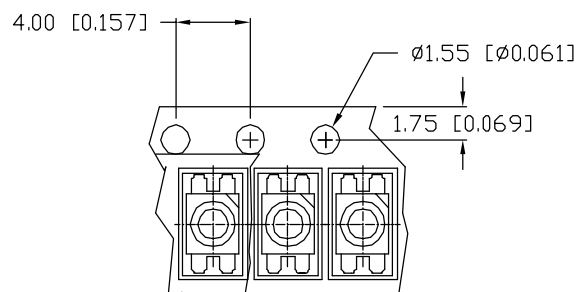
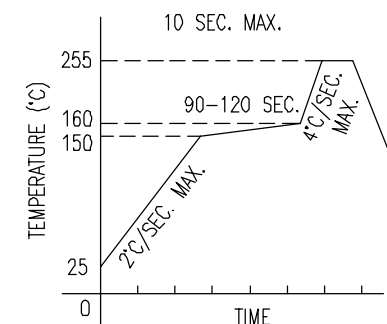
OED-CL2832-41601TR

PRELIMINARY IN P/N DIR

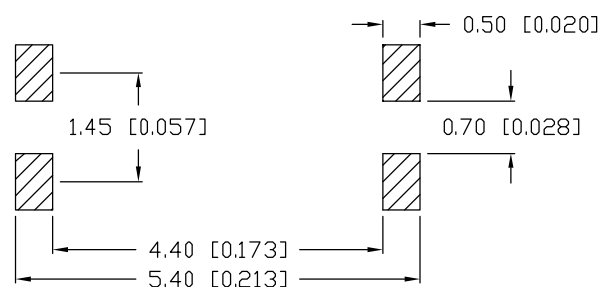
CIRCUIT LAYOUT



LEAD FREE REFLOW PROFILE



RECOMMENDED SOLDER PAD LAYOUT



TOP TAPE  TAPE FEED DIRECTION

*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}

REV.

PART NUMBER

OED-CL2832-41601TR

2.7mm X 3.2mm CUSTOM IR SURFACE MOUNT LED,
WITH REFLECTOR CUP, 730nm, 810nm, 880nm,
WATER CLEAR LENS, GaAlAs, TAPE AND REEL.

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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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 07.15.08

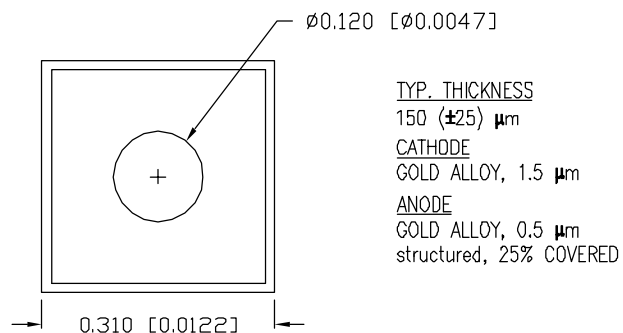
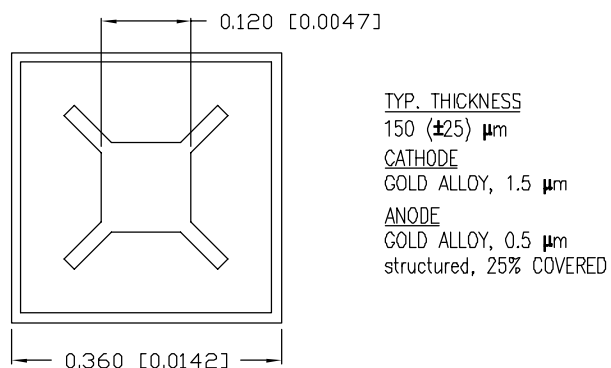
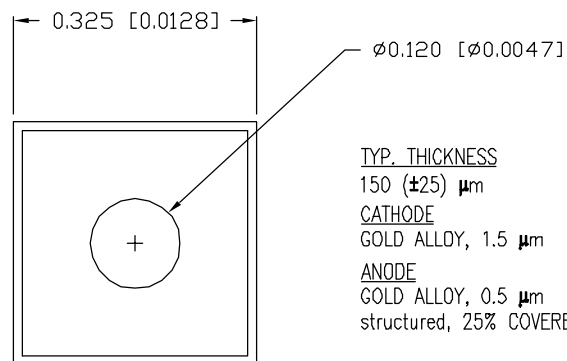
JN

PAGE: 1 OF 2

SCALE: N/A

OED-CL2832-41601TR

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	728	730	732	nm	$I_f=20\text{mA}$
FORWARD VOLTAGE		1.8	2.1	V_f	$I_f=20\text{mA}$
REVERSE VOLTAGE	5.0			V_r	$I_R=100\mu\text{A}$
RADIANT POWER	2.5	3.5		mW	$I_f=20\text{mA}$
SPECTRAL BANDWIDTH AT 50%		25		nm	$I_f=20\text{mA}$
2ND PEAK EMISSION RATIO		0	0.1	%	$I_f=20\text{mA}$

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	807	810	813	nm	$I_f=20\text{mA}$
FORWARD VOLTAGE		1.6	1.9	V_f	$I_f=20\text{mA}$
REVERSE VOLTAGE	5.0			V_r	$I_R=100\mu\text{A}$
RADIANT POWER	2.5	3.2		mW	$I_f=20\text{mA}$
SPECTRAL BANDWIDTH AT 50%		30		nm	$I_f=20\text{mA}$
2ND PEAK EMISSION RATIO		0	0.1	%	$I_f=20\text{mA}$

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	877	880	883	nm	$I_f=20\text{mA}$
FORWARD VOLTAGE		1.4	1.6	V_f	$I_f=20\text{mA}$
REVERSE VOLTAGE	5.0			V_r	$I_R=100\mu\text{A}$
RADIANT POWER	4	5		mW	$I_f=20\text{mA}$
SPECTRAL BANDWIDTH AT 50%		30		nm	$I_f=20\text{mA}$
2ND PEAK EMISSION RATIO		0	0.1	%	$I_f=20\text{mA}$

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