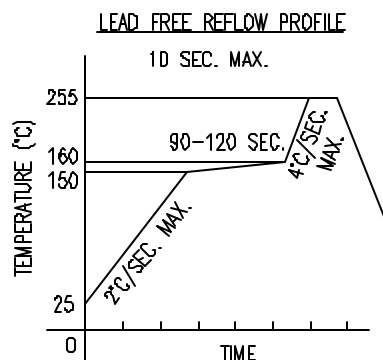
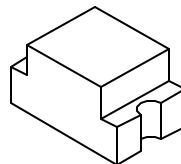
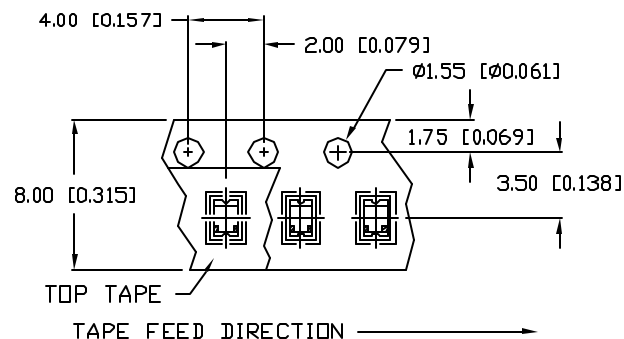
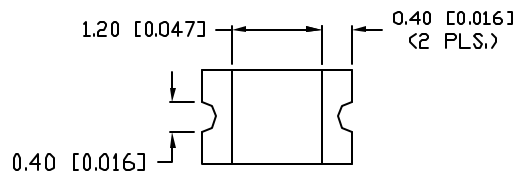
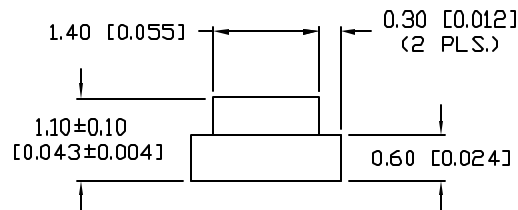
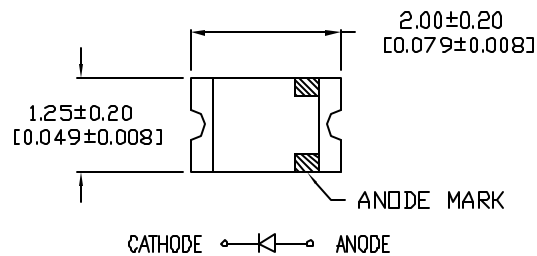
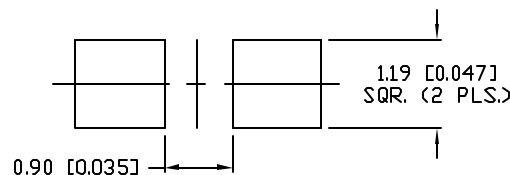


UNCONTROLLED DOCUMENT



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER
OED-CL0805C-150

REV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148.	5.16.07

ELECTRO-OPTICAL CHARACTERISTICS				T _a =25°C	
PARAMETER	MIN	TYP	MAX	UNITS	TEST UNITS
FORWARD VOLTAGE		1.4	1.8	V	I _f =50mA
REVERSE CURRENT			10.0	μA	V _r =6V
POWER OUTPUT	0.5	1.2		mW/sr	I _f =20mA
CAPACITANCE		30		pF	f=1MHz
BEAM HALF ANGLE		150		DEG.	
PEAK WAVELENGTH		875		nm	I _f =20mA
SPECTRAL BANDWIDTH		80		nm	I _f =20mA

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	65	mA
POWER DISSIPATION	110	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

* t<10μs

NOTES:

- 3,000 PCS. PER REEL.
- MOISTURE SENSITIVE LABEL ON REEL AND BAG.
- ANTISTATIC HEATSEALED BAG.
- CATODE TOWARDS TAPE SPROCKET HOLES.

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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.
A

PART NUMBER
OED-CL0805C-150

2.0mm X 1.25mm PCB SURFACE MOUNT IR EMITTER,
WATER CLEAR LENS, TAPE AND REEL.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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: JC CHECKED BY: APPROVED BY: DATE: 2.17.06
PAGE: 1 OF 1
SCALE: N/A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex:

[OED-CL0805C-150](#)