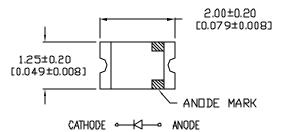
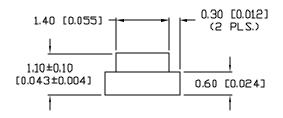
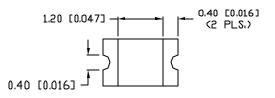
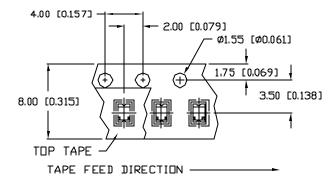
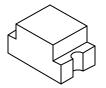
## UNCONTROLLED DOCUMENT

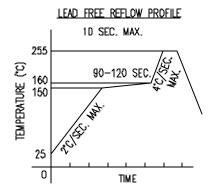






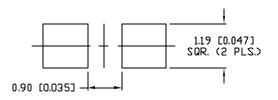






TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

#### RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER

OED-CL0805C-150

REV.

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

ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST UNITS
FORWARD VOLTAGE		1.4	1.8	٧	If=50mA
REVERSE CURRENT			10.0	μA	Vr=6V
POWER OUTPUT	0.5	1.2		mW/sr	If=20mA
CAPACITANCE		30		pF	f=1MHz
BEAM HALF ANGLE		150		DEG.	
PEAK WAVELENGTH		875		nm	If=20mA
SPECTRAL BANDWIDTH		В0		nm	lf=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/℃
OPERATING TEMP.	- 40 TO +85	·c
STORAGE TEMP.	- 40 TO +85	·c

\* t<10µS

#### NOTES:

- 1, 3,000 PCS. PER REEL,
- 2. MOISTURE SENSITVE LABEL ON REEL AND BAG.
- 3. ANTISTATIC HEATSEALED BAG.
- 4. 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 SPECFED 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). NN= +DECIMAL PRECISION MAX = ±0.00 (±0.000). AND AND ADDRESS OTHERWISE SPECFED TOLERANCES PER DECIMAL PRECISION MAX = ±0.00 (±0.000). AND ADDRESS OTHERWISE SPECFED TOLERANCES PER DECIMAL PRECISION MAX = ±0.00 (±0.000). AND ADDRESS OTHERWISE SPECFED TOLERANCES PER DECIMAL PRECISION MAX = ±0.00 (±0.000). AND ADDRESS OTHERWISE SPECFED TOLERANCES PER DECIMAL PRECISION MAX = ±0.00 (±0.000). AND ADDRESS OTHERWISE SPECFED TOLERANCES PER DECIMAL PRECISION MAX = ±0.00 (±0.000). AND ADDRESS OTHERWISE SPECFED TOLERANCES PER DECIMAL PRECISION MAX = ±0.00 (±0.000). AND ADDRESS OTHERWISE SPECFED TOLERANCES PER DECIMAL PRECISION MAX = ±0.00 (±0.000). AND ADDRESS OTHERWISE SPECFED TOLERANCES PER DECIMAL PRECISION MAX = ±0.00 (±0.000). AND ADDRESS OTHERWISE SPECFED TOLERANCES PER DECIMAL PRECISION MAX = ±0.00 (±0.000). ADDRESS OTHERWISE SPECFED TOLERANCE PER DECIMAL PRECISION MAX = ±0.00 (±0.000). ADDRESS OTHERWISE SPECFED TOLERANCE PER DECIMAL PRECISION MAX = ±0.00 (±0.000). ADDRESS OTHERWISE SPECFED TOLERANCE PER DECIMAL PRECISION MAX = ±0.00 (±0.000). ADDRESS OTHERWISE SPECFED TOLERANCE PER DECIMAL PRECISION MAX = ±0.00 (±0.000). ADDRESS OTHERWISE SPECFED TOLERANCE PER DECIMAL PRECISION MAX = ±0.000 (±0.000). ADDRESS OTHERWISE SPECFED TOLERANCE PER DECIMAL PRECISION MAX = ±0.000 (±0.000). ADDRESS OTHERWISE SPECFED TOLERANCE PER DECIMAL PRECISION MAX = ±0.000 (±0.000). ADDRESS OTHERWISE SPECFED TOLERANCE PER DECIMAL PRECISION MAX = ±0.000 (±0.000). ADDRESS OTHERWISE SPECFED TOLERANCE PER DECIMAL PRECISION MAX = ±0.000 (±0.000). ADDRESS OTHERWISE SPECFED TOLERANCE PER DECIMAL PRECISION MAX = ±0.000 (±0.000). ADDRESS OTHERWISE SPECFED TOLERANCE PER DECIMAL PRECISION MAX = ±0.000 (±0.000). ADDRESS OTHERWISE SPECFED TOLERANCE PER DECIMAL PRECISION MAX = ±0.000 (±0.000). ADDRESS OTHERWISE SPECFED TOLERANCE PER DECIMAL PRECISION MAX = ±0.000 ( CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF PART NUMBER

REV. OED-CL0805C-150

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



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JC

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