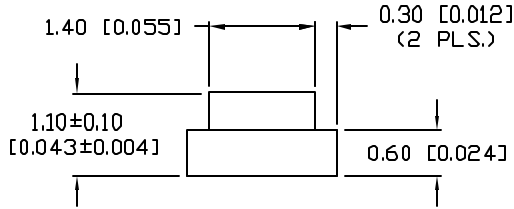
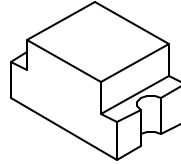
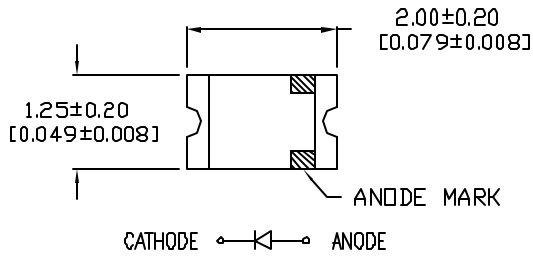
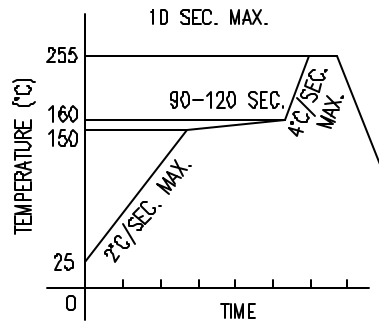


UNCONTROLLED DOCUMENT

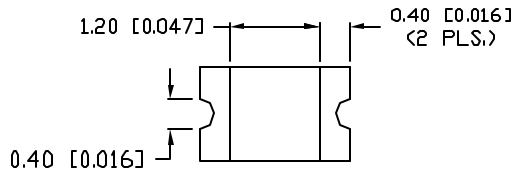
PART NUMBER		REV.
OED-CL0805C-150		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148.	5.16.07



LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



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

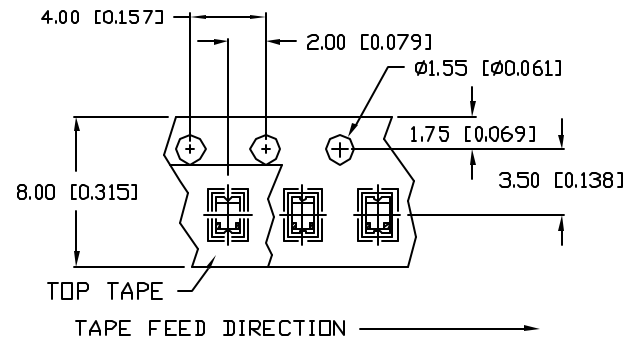
\* t < 10μS

NOTES:

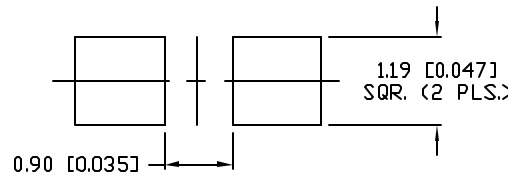
- 3,000 PCS. PER REEL.
- MOISTURE SENSITIVE LABEL ON REEL AND BAG.
- ANTISTATIC HEATSEALED BAG.
- CATODE TOWARDS TAPE SPROCKET HOLES.

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



RECOMMENDED SOLDER PAD LAYOUT



\*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 -0.00 MAX= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
A	OED-CL0805C-150
2.0mm X 1.25mm PCB SURFACE MOUNT IR EMITTER, WATER CLEAR LENS, 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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DRAWN BY: jc	CHECKED BY: APPROVED BY: DATE: 2.17.06 PAGE: 1 OF 1 SCALE: N/A