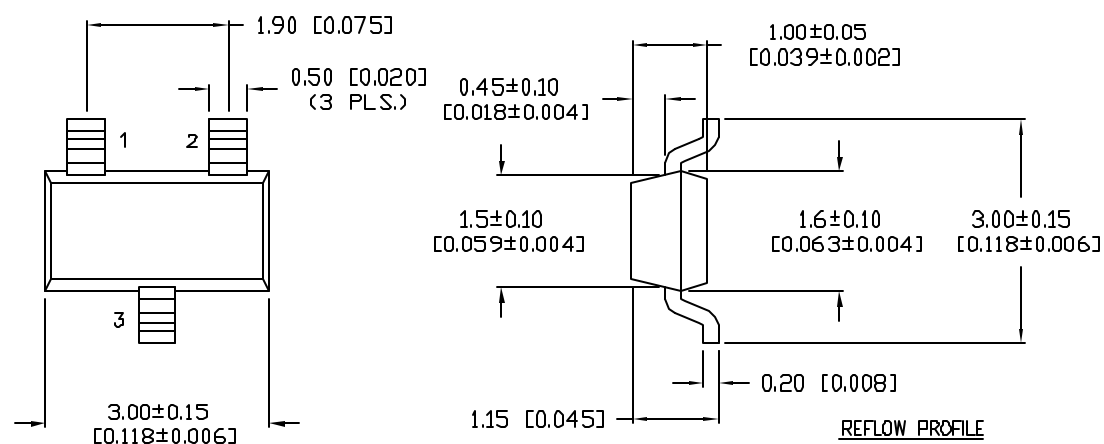
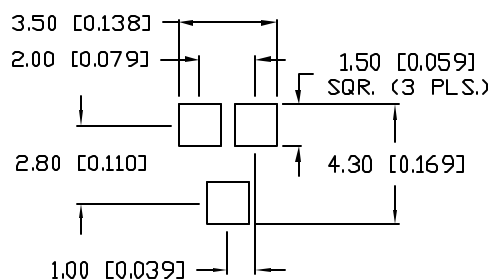
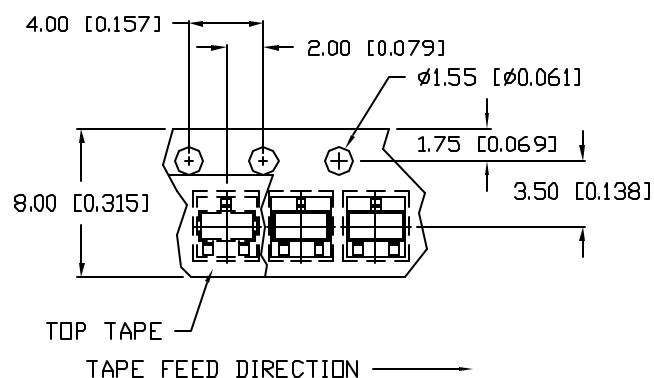
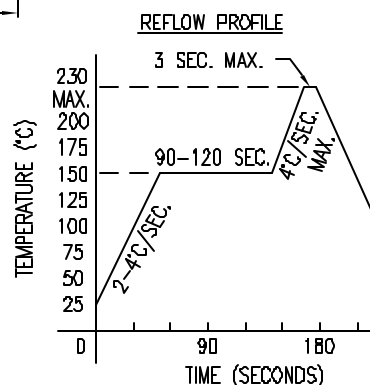
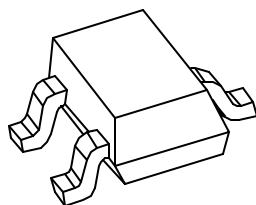
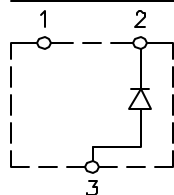


UNCONTROLLED DOCUMENT



TOP VIEW POLARITY



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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

PART NUMBER
OED-CL-15F-TRREV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	12.17.02

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		850		nm	
FORWARD VOLTAGE		1.8	2.0	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_r=10\mu\text{A}$
POWER OUTPUT		2.5		mW/str	$I_f=50\text{mA}$
HALF ANGLE		±50		deg	

EPOXY LENS FINISH: WATER CLEAR

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1	A
STEADY CURRENT	100	mA
POWER DISSIPATION	200	mW
DERATE FROM 25°C	-1.6	mW/°C
OPERATING TEMPERATURE	-20 TO +70	°C
STORAGE TEMPERATURE	-30 TO +85	°C

* $t_p < 100\mu\text{s}$, $t_p/T=0.01$

NOTES:

1. 3,000 PIECES PER REEL.
2. PIN 3 IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
3. LABEL MUST BE PERMANENTLY ATTACHED TO EACH REEL.

UNCONTROLLED DOCUMENT

REV.
APART NUMBER
OED-CL-15F-TRSOT-23 SURFACE MOUNT 850nm INFRARED LED,
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.



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

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