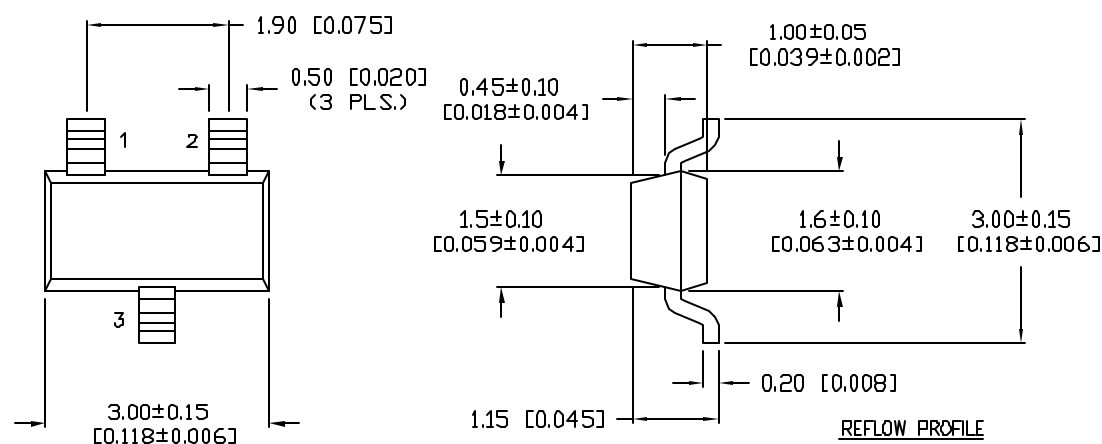
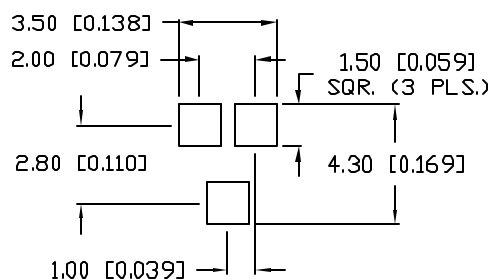
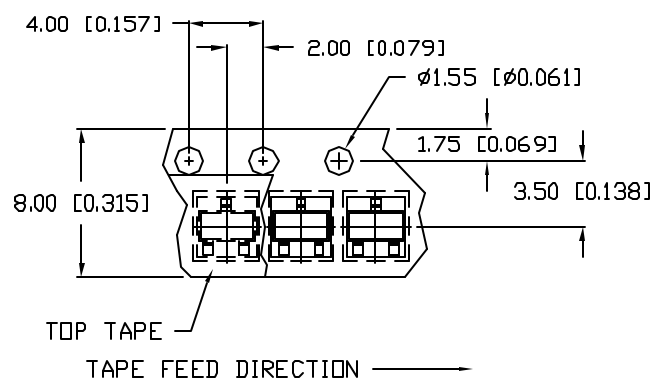
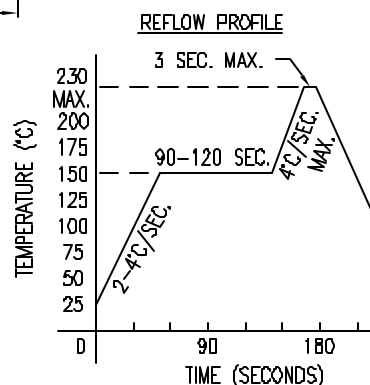
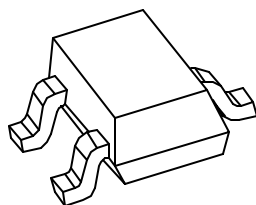
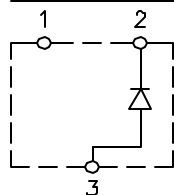


UNCONTROLLED DOCUMENT



TOP VIEW POLARITY

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/ $^\circ\text{C}$
OPERATING TEMPERATURE	-20 TO +70	$^\circ\text{C}$
STORAGE TEMPERATURE	-30 TO +85	$^\circ\text{C}$

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

NOTES:

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

UNCONTROLLED DOCUMENT

*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

REV.

A

PART NUMBER

OED-CL-15F-TR

SOT-23 SURFACE MOUNT 850nm INFRARED LED,
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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PAGE: 1 OF 1

SCALE: N/A