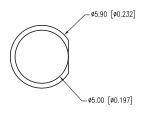
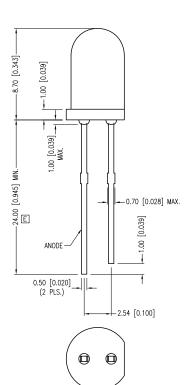
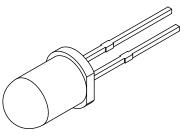
UNCONTROLLED DOCUMENT







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PART NUMBER	OED-EL-1L2	REV.	F
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
11.24.93	REDRAWN.		Α
02.22.94	CHG'D INTENSITY AND HALF ANGLE.		В
01.07.98	E.C.N. #10BRDR.		С
12.31.02	E.C.N. #10BRDR. & REDRAWN IN 3D.		D
01.18.07	E.C.N. #11393.		E
02.14.12	E.C.N. #11806/10BRDR. & REDRAWN.		F

ELECTRO-OPTICAL CH	HARACTERISTICS Ta=25	°C If=20mA			
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		940		nm	
SPECTRAL BANDWIDTH	1	45		nm	
FORWARD VOLTAGE		1.2	1.6	Vf	If=50mA
REVERSE VOLTAGE	5.0			Vr	lr=100µA
RADIANT INTENSITY		60		mW/SR	If=50mA
HALF ANGLE		±30		degrees	
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	150	mW
DERATE FROM 25°C	-1.2	mW/*C
OPERATING TEMP.	-25 TO +85	•C
STORAGE TEMP.	-25 TO +100	•C
SOLDERING TEMP.	+260	•C
2.0mm FROM BODY	3	SEC.

* tp<100µS, tp/T=1% DUTY CYCLE

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-DECIMAL}$ PRECISION UNCONTROLLED DOCUMENT



290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538

T-5mm, 940nm INFRARED EMITTING DIODE, WATER CLEAR LENS. **THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**

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DATE: 12.06.12 DRAWN BY: MA PAGE: 1 OF 1 CHKD BY: KF SCALE: NTS APRVD BY: KF (Pb) UNIT: mm [INCH]

Mouser Electronics

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