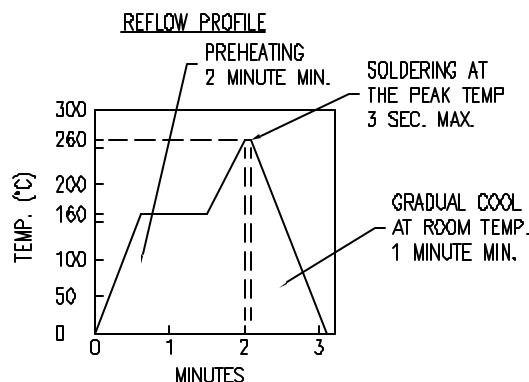
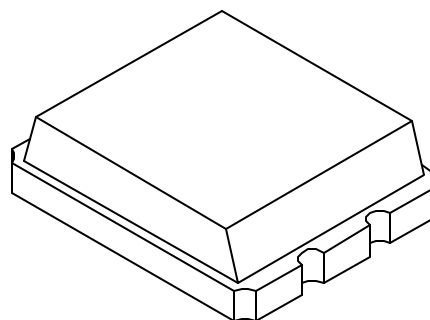
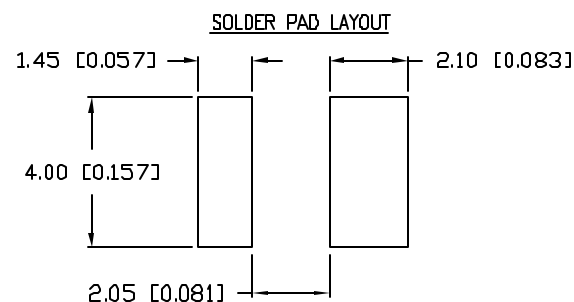
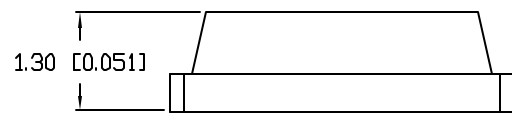
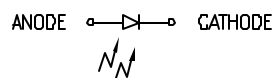
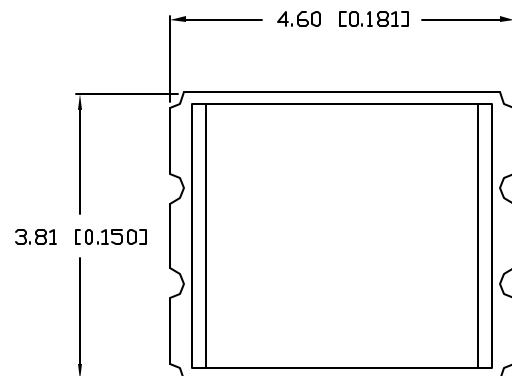


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NOTES:

1. PARTS SUPPLIED ON TAPE AND REEL.

PART NUMBER
OED-HPI-20REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR.	12.31.97
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.30.03

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH SENS.		880		nm	
SPECTRAL SENSITIVITY	500		1000	nm	
OPEN CIRCUIT VOLTAGE		0.38		V	$E_e = 0.10 \text{ mW/cm}^2$
SHORT CIRCUIT CURRENT		85		μA	$E_e = 0.10 \text{ mW/cm}^2$
DARK CURRENT			30	nA	$V_r = 10\text{V}$
SWITCHING TIME		45		nS	$V_r = 10\text{V}, R_L = 1000\Omega$
TOTAL CAPACITANCE			35	pF	$E_e = 0.0 \text{ mW/cm}^2$
					$V_r = 3\text{V}, F = 1\text{MHz}$
HALF ANGLE		± 80		degrees	
EPOXY FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	32	V
POWER DISSIPATION	200	mW
OPERATING TEMP.	-25 TO +80	$^\circ\text{C}$
STORAGE TEMP.	-25 TO +120	$^\circ\text{C}$

*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

REV.
BPART NUMBER
OED-HPI-20CERAMIC SURFACE MOUNT
PIN PHOTO DIODE.

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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

DRAWN BY:

BC

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DATE: 2.8.95

PAGE: 1 OF 1

SCALE: N/A

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