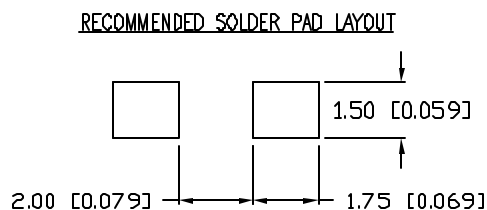
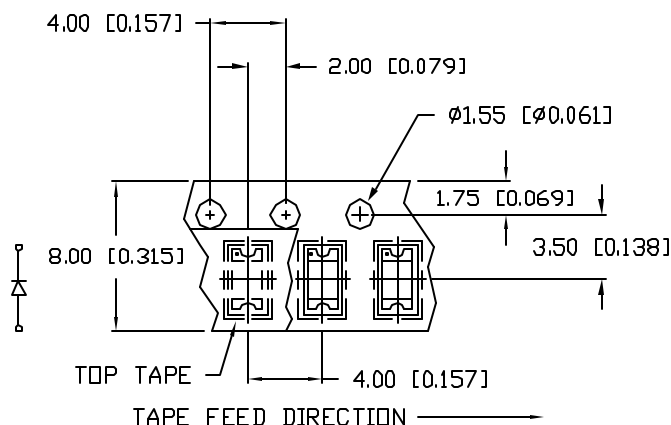
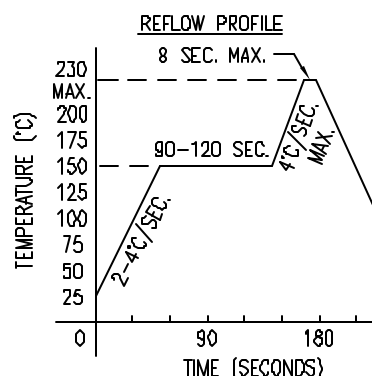
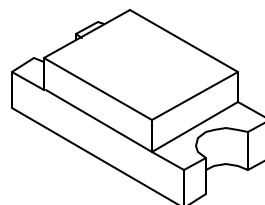
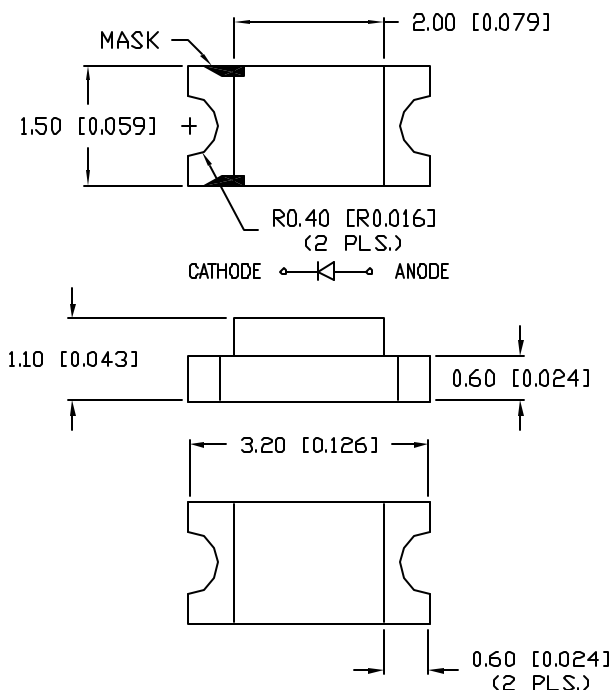


UNCONTROLLED DOCUMENT



*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.=+0.00 -0.00 MAX.=+0.00 -0.00

PART NUMBER
OED-HP1206C140

REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	12.18.97
B	E.C.N. #10878. & #10BRDR.	6.20.02

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

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	V_{oc}	$E_e=5.0\text{mw/cm}^2$		0.42		V
SHORT CIRCUIT CURRENT	I_{sc}	$E_e=5.0\text{mw/cm}^2$		3		μA
DARK CURRENT	I_d	$V_r=10\text{V}$ $E_e=0.0\text{mw/cm}^2$			10	nA
TERMINAL CAPACITANCE	C_t	$V_r=3\text{V}$, $F=1\text{MHz}$		5		pF
RESPONSE TIME	T_r/T_f	$V_r=10\text{V}$, $R_l=1000\Omega$		6/6		nS
SPECTRAL SENSITIVITY	λ			400~1200		nm
PEAK WAVELENGTH	λ_p			980		nm
LENS COLOR:	CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	32	V
POWER DISSIPATION	150	mW
OPERATING TEMP.	-25 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

NOTES:

- 2,000 PIECES PER REEL.
- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE

- SHELF LIFE IN SEALED BAG:
12 MONTHS AT $<40^\circ\text{C}$ AND $<90\%$ RELATIVE HUMIDITY (RH).
- AFTER THIS BAG IS OPENED, DEVICES HAVE TO BE MOUNTED WITHIN 48 HOURS OR STORED AT $<30\%$ RH.

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REV.
B

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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:

CHECKED BY:

APPROVED BY:

DATE: 10.2.97

CT

PAGE: 1 OF 1

SCALE: N/A

1.6 x 3mm P.C.B., SURFACE MOUNT HIGH PERFORMANCE
PHOTODIODE, WATER CLEAR LENS, TAPE AND REEL.