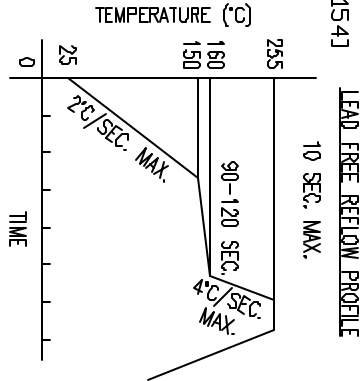
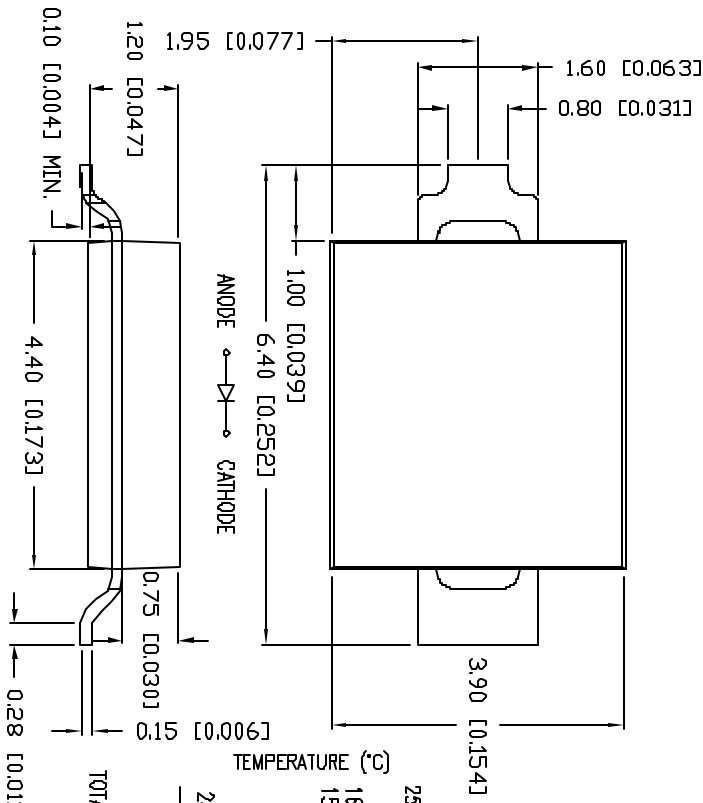


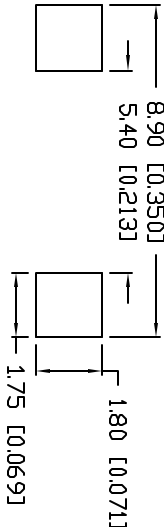


TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

NOTES:

1. SUPPLIED ON 12mm TAPE, 1,000 PIECES PER REEL.
2. THE CATHODE IS ORIENTED TOWARD THE SPROCKET HOLE.

RECOMMENDED SOLDER PAD LAYOUT



LIMITS OF SAFE OPERATION AT 25°C			
PARAMETER	MAX	UNITS	
REVERSE VOLTAGE	32	V	
POWER DISSIPATION	150	mW	
OPERATING TEMP.	-25 TO +85	°C	
STORAGE TEMP.	-40 TO +85	°C	

ELECTRO-OPTICAL CHARACTERISTICS TA=25°C

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	V_{oc}			0.35		V
SHORT CIRCUIT CURRENT	I_{sc}			1.2		μA
		$E_e=1mW/cm^2$ $\lambda_p=870nm$				
DARK CURRENT	I_D			10		nA
		$E_e=0mW/cm^2$ $V_R=10V$				
REVERSE LIGHT CURRENT	I_L			1.2		nA
TERMINAL CAPACITANCE	C_T			25		pF
RESPONSE TIME	T_R/T_F			50/50		nS
		$V_R=10V$ $R_L=100\Omega$				
SPECTRAL SENSITIVITY	λ			730~1100		nm
PEAK WAVELENGTH	λ_p			940		nm
LENS COLOR		BLACK EPOXY				

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS



*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

REV. PART NUMBER
OED-HP13944B-TR11

PIN PHOTO DIODE WITH
AXIAL LEAD WITH FLAT TOP AND MOLDED REFLECTOR.

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: JIN
CHECKED BY:
APPROVED BY:
DATE: 11.28.07
PAGE: 1 OF 1
SCALE: N/A