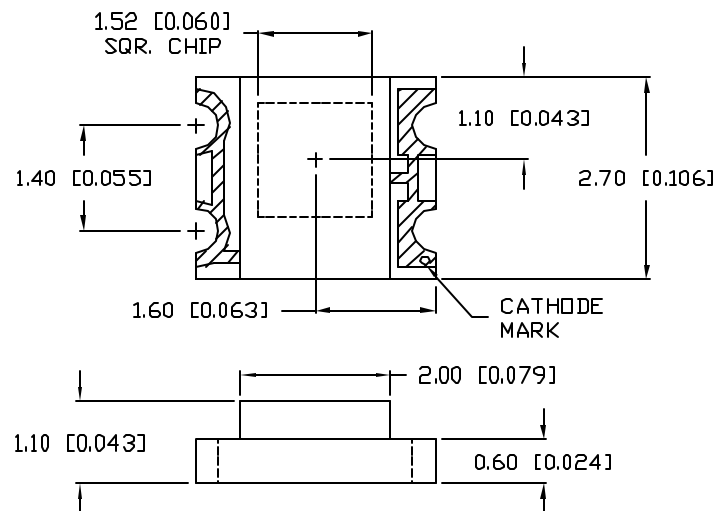
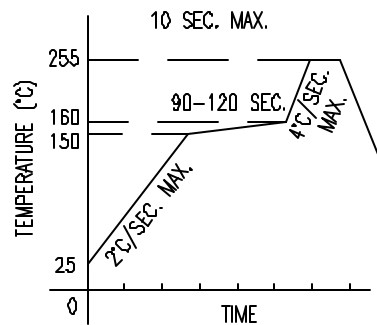


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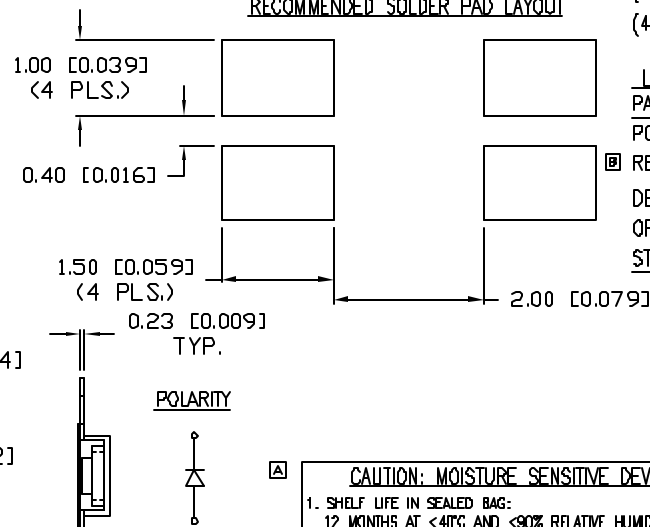


LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT



CAUTION: MOISTURE SENSITIVE DEVICE
1. SHELF LIFE IN SEALED BAG:
12 MONTHS AT <40°C AND <90% RELATIVE HUMIDITY (RH).
2. AFTER THIS BAG IS OPENED, DEVICES HAVE TO BE MOUNTED WITHIN 48 HOURS OR STORED AT <30% RH.

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES WHEN WORKING WITH THIS PART.

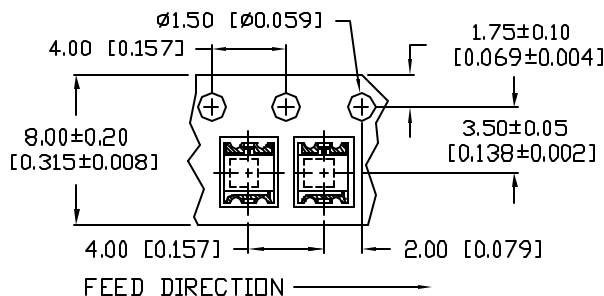
ELECTRO-OPTICAL CHARACTERISTICS @ 25°C OF PIN PHOTODIODE						
PARAMETER	SYM	MIN	TYP	MAX	UNITS	TEST COND.
REVERSE BREAKDOWN VOLTAGE	V_{BR}	32	170	-	V	$I_r=100\mu A$
SPECTRAL BANDWIDTH	$\lambda_{0.5}$	-	730-1200	-	nm	
PEAK WAVELENGTH	λ_p	-	980	-	nm	
TOTAL CAPACITANCE	C_t	-	6	-	pF	(4)
OPEN CIRCUIT VOLTAGE	V_o	-	410	-	mV	(1)
SHORT CIRCUIT CURRENT	I_{sc}	-	15	-	μA	(1)
REVERSE DARK CURRENT	I_r	-	-	10	nA	(2)
TURN ON/OFF TIME	ON/OFF	-	10	-	ns	(3)

- (1) $C_t=2870^\circ K$; $H=5mW/cm^2$
(2) $V_r=10V$; $H=0mW/cm^2$
(3) $V_r=10V$; $R_L=1000\Omega$
(4) $E_e = 0mW/cm^2$; $F=1MHz$; $V=10V$

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
POWER DISSIPATION	150	mW
REVERSE VOLTAGE	32	V
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-30 TO +85	°C

NOTES:

1. LENS TO HAVE DAYLIGHT FILTER.
2. 2,000 PIECES PER REEL.
3. MOISTURE SENSITIVE LABEL ON REEL AND BAG.
4. ANTISTATIC HEATSEALED BAG.



*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 MAX=+0.00 -DECIMAL PRECISION

REV.

C

PART NUMBER

OED-HPI1210B-60A

SMT PHOTODIODE, 1210 PACKAGE,
60mil x 60mil CHIP, WITH DAYLIGHT FILTER.

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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

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