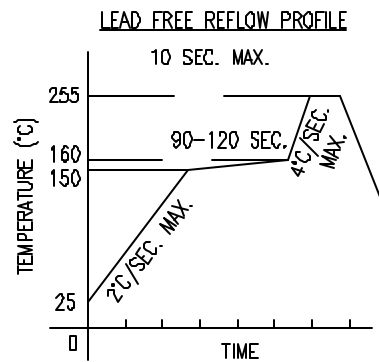
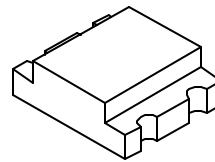
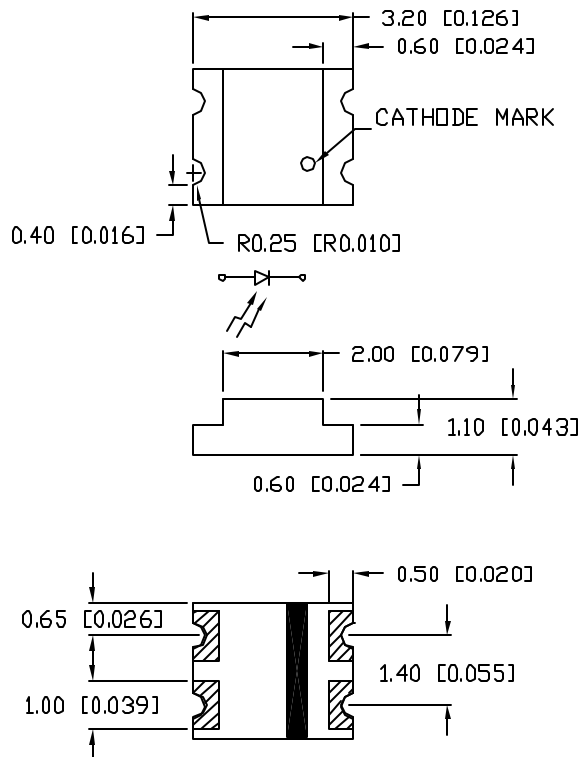
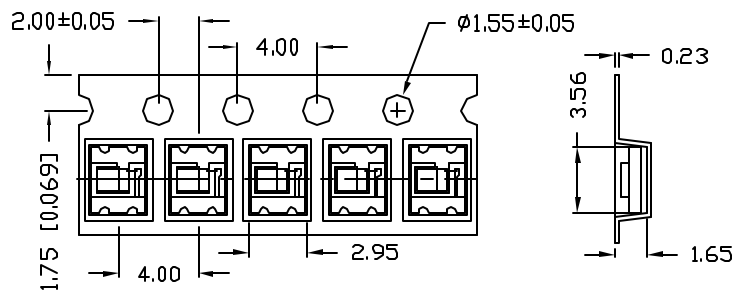


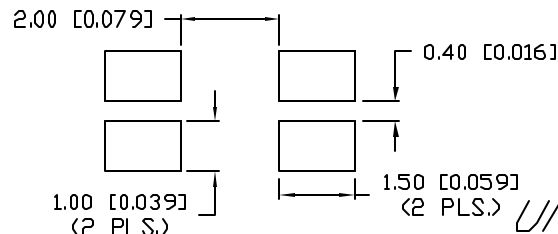
UNCONTROLLED DOCUMENT



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



RECOMMENDED SOLDER PAD LAYOUT



NOTES:

1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.



PART NUMBER		REV.
OED-HPI1210C160-RT		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11401.	3.15.07

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

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	V_{oc}	$E_e=5\text{mw/cm}^2$		0.41		V
SHORT CIRCUIT CURRENT	I_{sc}	$E_e=5\text{mw/cm}^2$		35		μA
DARK CURRENT	I_d	$V_r=10\text{V}$ $E_o=0\text{mw/cm}^2$			10	nA
TERMINAL CAPACITANCE	C_t	$V_r=5\text{V}$, $F=1\text{MHz}$		6		pF
RESPONSE TIME	T_r/T_f	$V_r=10\text{V}$, $R_l=1000\Omega$		10/10		nS
SPECTRAL SENSITIVITY	λ			450~1200		nm
PEAK WAVELENGTH	λ_p			980		nm
HALF ANGLE	$\Delta\theta$			± 80		DEG
LENS COLOR:	CLEAR					

LIMITS OF SAFE OPERATION AT 25°C PER DIE

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.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3 SEC. MAX	

* $t < 10\mu\text{s}$

*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 PRECISION -0.00, MAX.=+0.00 -DECIMAL PRECISION

REV.

A

PART NUMBER

OED-HPI1210C160-RT

T3 x 2mm SMT PIN

PHOTODIODE.

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.



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PAGE: 1 OF 1

SCALE: N/A