



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

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	$V_{oc}$	$E_e=0.5\text{mw/cm}^2$		0.38		V
SHORT CIRCUIT CURRENT	$I_{sc}$	$E_e=0.5\text{mw/cm}^2$		18		$\mu\text{A}$
DARK CURRENT	$I_d$	$V_r=10\text{V}$ $E_e=0.5\text{mw/cm}^2$		5	30	nA
TERMINAL CAPACITANCE	$C_t$	$V_r=0\text{V}$ , $F=1\text{MHz}$		9		pF
RESPONSE TIME	$T_r/T_f$	$V_r=10\text{V}$ , $R_l=1000\ \Omega$		18/18		nS
SPECTRAL SENSITIVITY	$\lambda$			400~1100		nm
PEAK WAVELENGTH	$\lambda_p$			900		nm
HALF ANGLE	$\Delta\theta$			$\pm 80$		DEG
LENS COLOR:		CLEAR				

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	33	V
POWER DISSIPATION	100	mW
OPERATING TEMP.	-25 TO +80	$^\circ\text{C}$
STORAGE TEMP.	-25 TO +80	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

NOTES:

1. SOLDER PADS TINNED.
2. FEED THRU. (2 PLS.).
3. OED-HPI121DC180.
4. LXP-PCB13534-2.

\*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.

PART NUMBER

OED-HPI121013534-2

6mm x 5mm CUSTOM PHOTODIODE ASSEMBLY.

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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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DATE: 10.11.02

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SCALE: N/A