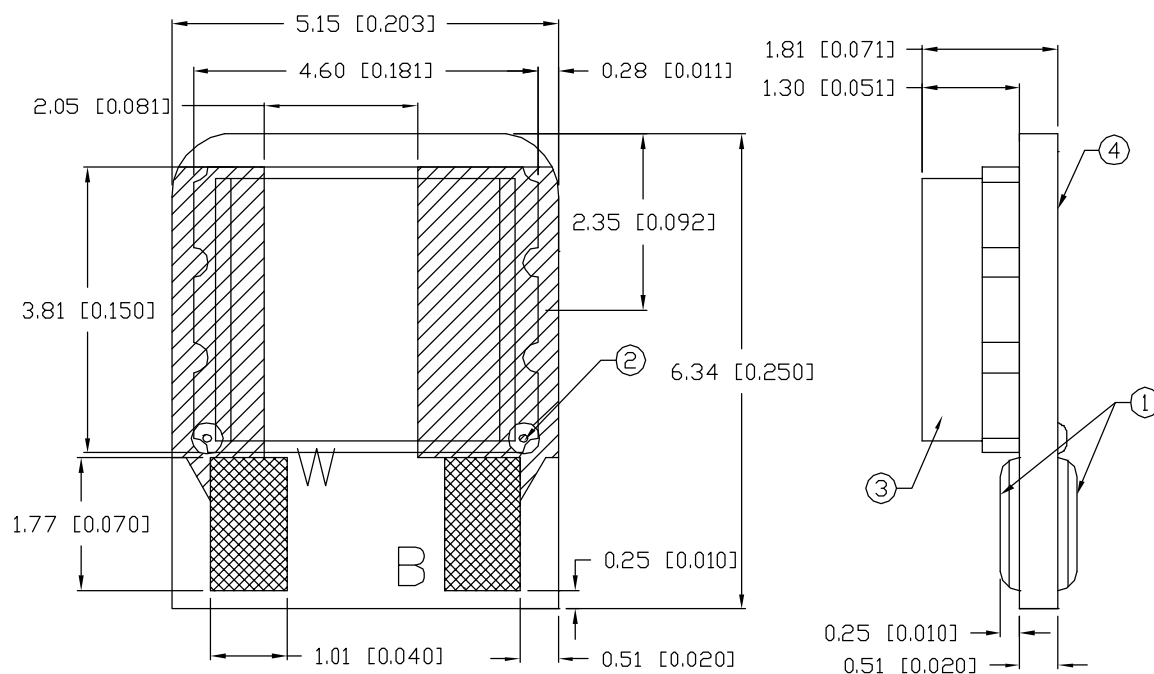


OED-HPI121013534-3

PRELIMINARY IN P/N DIR.

W $\rightarrow$ $\rightarrow$ BELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	V_{oc}	$E_e = 0.1\text{mw/cm}^2$		0.365		V
SHORT CIRCUIT CURRENT	I_{sc}	$E_e = 0.1\text{mw/cm}^2$		85		μA
DARK CURRENT	I_d	$V_r = 10\text{V}$		5	30	nA
		$E_e = 0.1\text{mw/cm}^2$				
TERMINAL CAPACITANCE	C_t	$V_r = 0\text{V}, F = 1\text{MHz}$		50		pF
RESPONSE TIME	T_r/T_f	$V_r = 10\text{V}, R_l = 1000\ \Omega$		18/18		nS
SPECTRAL SENSITIVITY	λ			500~1000		nm
PEAK WAVELENGTH	λ_p			880		nm
HALF ANGLE	$\Delta\theta$			± 80		DEG
LENS COLOR:	CLEAR					

LIMITS OF SAFE OPERATION AT 25°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-HPI-10
4. LXP-PCB13534-3.

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= +DECIMAL PRECISION -0.00 MAX= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER

OED-HPI121013534-3

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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PAGE: 1 OF 1

SCALE: N/A