

UNCONTROLLED DOCUMENT

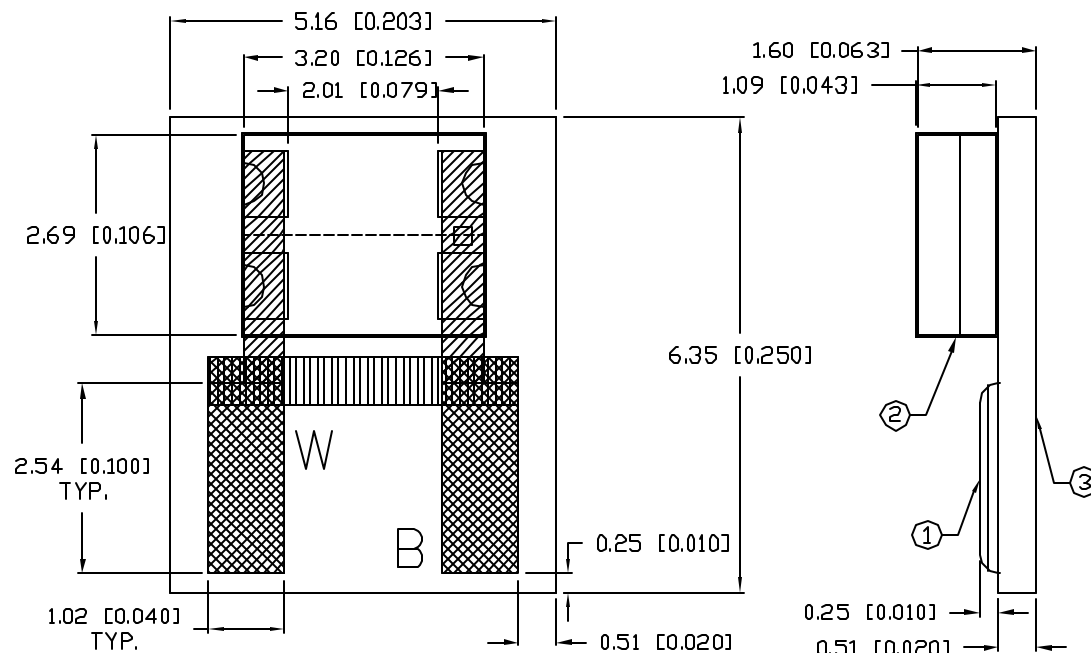
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PART NUMBER

REV.

OED-HPI1210-Q13534

PRELIMINARY IN P/N DIR



W B

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

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	V_{oc}	$E_e=0.5\text{mw}/\text{cm}^2$		0.38		V
SHORT CIRCUIT CURRENT	I_{sc}	$E_e=0.5\text{mw}/\text{cm}^2$		18		μA
DARK CURRENT	I_d	$V_r=10\text{V}$ $E_e=0.5\text{mw}/\text{cm}^2$		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	λ			400~1100		nm
PEAK WAVELENGTH	λ_p			900		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. OED-HPI1210C160.
3. FR4 PCB.

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*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 -0.00 -DECIMAL PRECISION

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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.



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:

CHECKED BY:

APPROVED BY:

GB

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SCALE: N/A