



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=10\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		940		nm	
FORWARD VOLTAGE		1.2	1.5	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=10\mu\text{A}$
LUMINOUS INTENSITY		2.8		$\text{mW}/\text{Sr}$	$I_f=20\text{mA}$

EPOXY LENS FINISH: MILKY WHITE DIFFUSED

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1200	mA
STEADY CURRENT	50	mA
POWER DISSIPATION	100	mW
DERATE FROM $25^\circ\text{C}$	-0.5	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+230	$^\circ\text{C}$
1.6mm FROM BODY		3 SEC. MAX

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

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= $\pm 1$  ( $\pm 0.039$ ), X.X= $\pm 0.5$  ( $\pm 0.020$ ), X.XX= $\pm 0.25$  ( $\pm 0.010$ ), X.XXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ), MIN=<sup>+0.00</sup>/<sub>-0.00</sub> DECIMAL PRECISION, MAX.=<sup>+0.00</sup>/<sub>-0.00</sub> DECIMAL PRECISION

REV.

PART NUMBER

OED-EL2350W

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19.05mm x 3.81mm 940nm INFRARED LIGHT BAR,  
MILKY WHITE DIFFUSED EPOXY.

**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.

DRAWN BY: CHECKED BY: APPROVED BY: DATE: 8.29.00

KS/BC

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SCALE: N/A