



ELECTRO-OPTICAL CHARACTERISTICS (Tc=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	TEST COND	UNITS
LASING WAVELENGTH	$\lambda$	655	658	660	Po=50mW	nm
THRESHOLD CURRENT	Ith		40	70	CW	mA
OPERATING CURRENT	Iop		125	150	Po=50mW	mA
OPERATING VOLTAGE	Vop		2.5	3.0	Po=50mW	V
SLOPE EFFICIENCY			0.7			W/A
MONITORING CURRENT	Im	0.05	0.5	2	Po=50mW	mA
BEAM DIVERGENCE:	$\theta$	6	8	12	Po=50mW	deg.
	$\theta$ L	17	22	26	FWHM	deg.

ABSOLUTE MAXIMUM RATINGS (Tc=25°C)

PARAMETER	SYMBOL	MAX	UNITS
OPTICAL POWER	Pa	55	mW
LD REVERSE VOLTAGE	Vr(LD)	2	V
PD REVERSE VOLTAGE	Vr(PD)	30	V
OPERATING TEMP.	Top	- 10 TO + 40	°C
STORAGE TEMP.	Tstg	- 40 TO + 80	°C

\*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.=<sup>+DECIMAL PRECISION</sup><sub>-0.00</sub>, MAX.=<sup>+0.00</sup><sub>-DECIMAL PRECISION</sub>

REV.	PART NUMBER OED-LDH66003E
660nm LASER DIODE, TO-18 PACKAGE, SUPER POWER, 50mW OUTPUT.	

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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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