

LT-1500 (UNMOUNTED) CW BAR

Lasertel's CW laser diode bars are adaptable to a wide range of applications that demand superior performance and efficiency.

WAVELENGTHS:

- ✦ 808
- ✦ 830
- ✦ 885
- ✦ 940
- ✦ 976



LT-1500 (UNMOUNTED) CW BAR

WAVELENGTH: 808

TYPICAL OPTICAL PARAMETERS (@25°C)		UNITS	VALUE			
Output Power		W	20	40	60	80
Operation Mode			CW	CW	CW	CW
Emission Length		mm	10	10	10	10
Polarization			TE or TM	TE or TM	TE or TM	TE or TM
Beam Divergence						
Fast Axis (FWHM)		°	36	36	36	36
Slow Axis (FWHM)		°	10	10	10	10
TYPICAL ELECTRICAL PARAMETERS (@25°C)						
Power Conversion Efficiency		%	55	55	53	50
Threshold Current		A	5	7	14	14
Operating Current		A	20	40	65	90
Operating Voltage		V	1.9	1.9	1.9	1.9
THERMAL PARAMETERS						
Operating Temperature		°C	-30 to 70	-30 to 70	-30 to 70	-30 to 70
Storage Temperature		°C	-40 to 85	-40 to 85	-40 to 85	-40 to 85

LT-1500 (UNMOUNTED) CW BAR

WAVELENGTH: 830

TYPICAL OPTICAL PARAMETERS (@25°C)	UNITS	VALUE			
Output Power	W	20	40	60	80
Operation Mode		CW	CW	CW	CW
Emission Length	mm	10	10	10	10
Polarization		TE	TE	TE	TE
Beam Divergence					
Fast Axis (FWHM)	°	36	36	36	36
Slow Axis (FWHM)	°	10	10	10	10
TYPICAL ELECTRICAL PARAMETERS (@25°C)					
Power Conversion Efficiency	%	55	55	53	50
Threshold Current	A	5	7	14	14
Operating Current	A	20	40	65	85
Operating Voltage	V	1.9	1.9	1.9	1.9
THERMAL PARAMETERS					
Operating Temperature	°C	-30 to 70	-30 to 70	-30 to 70	-30 to 70
Storage Temperature	°C	-40 to 85	-40 to 85	-40 to 85	-40 to 85

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WAVELENGTH: 885

TYPICAL OPTICAL PARAMETERS (@25°C)	UNIT	VALUE		
Output Power	W	20	40	60
Operation Mode		CW	CW	CW
Emission Length	mm	10	10	10
Polarization		TE	TE	TE
Beam Divergence				
Fast Axis (FWHM)	°	36	36	36
Slow Axis (FWHM)	°	10	10	10
TYPICAL ELECTRICAL PARAMETERS (@25°C)				
Power Conversion Efficiency	%	55	55	55
Threshold Current	A	5	7	14
Operating Current	A	23	45	68
Operating Voltage	V	1.9	1.9	1.9
THERMAL PARAMETERS				
Operating Temperature	°C	-30 to 70	-30 to 70	-30 to 70
Storage Temperature	°C	-40 to 85	-40 to 85	-40 to 85

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WAVELENGTH: 940

TYPICAL OPTICAL PARAMETERS (@25°C)	UNITS	VALUE		
Output Power	W	20	40	60
Operation Mode		CW	CW	CW
Emission Length	mm	10	10	10
Polarization		TE	TE	TE
Beam Divergence				
Fast Axis (FWHM)	°	36	36	36
Slow Axis (FWHM)	°	10	10	10
TYPICAL ELECTRICAL PARAMETERS (@25°C)				
Power Conversion Efficiency	%	55	55	55
Threshold Current	A	5	7	14
Operating Current	A	23	45	68
Operating Voltage	V	1.9	1.9	1.9
THERMAL PARAMETERS				
Operating Temperature	°C	-30 to 70	-30 to 70	-30 to 70
Storage Temperature	°C	-40 to 85	-40 to 85	-40 to 85

LT-1500 (UNMOUNTED) CW BAR

WAVELENGTH: 976

TYPICAL OPTICAL PARAMETERS (@25°C)	UNITS	VALUE		
Output Power	W	20	40	60
Operation Mode		CW	CW	CW
Emission Length	mm	10	10	10
Polarization		TE	TE	TE
Beam Divergence				
Fast Axis (FWHM)	°	36	36	36
Slow Axis (FWHM)	°	10	10	10
TYPICAL ELECTRICAL PARAMETERS (@25°C)				
Power Conversion Efficiency	%	55	55	55
Threshold Current	A	5	7	14
Operating Current	A	23	45	68
Operating Voltage	V	1.9	1.9	1.9
THERMAL PARAMETERS				
Operating Temperature	°C	-30 to 70	-30 to 70	-30 to 70
Storage Temperature	°C	-40 to 85	-40 to 85	-40 to 85