

LT-6500 (T10)

CW ARRAY

Lasertel CW arrays are based on a patented, extremely flexible assembly technology that eliminates common failure mechanisms associated with conventional CW array.

WAVELENGTHS:

✦ 808

✦ 830

✦ 885

✦ 976



LT-6500 (T10) CW ARRAY

WAVELENGTH: 808

TYPICAL OPTICAL PARAMETERS (@25°C)		UNITS	VALUE		
Output Power per Bar		W	40	60	80
Operation Mode			CW	CW	CW
Emission Length per Bar		mm	10	10	10
Number of Bars		#	11 to 50	11 to 50	11 to 50
Bar Pitch		mm	1.2 or 1.8	1.2 or 1.8	1.2 or 1.8
Maximum Array Output Power		W	2000	3000	4000
Beam Divergence					
Fast Axis (FWHM)		°	38	38	38
Slow Axis (FWHM)		°	12	12	12
TYPICAL ELECTRICAL PARAMETERS (@25°C)					
Power Conversion Efficiency		%	55	52	50
Threshold Current		A	8	12	16
Operating Current		A	45	65	85
Operating Voltage per Bar		V	1.9	1.9	1.9
THERMAL PARAMETERS					
Operating Temperature		°C	10 to 50	10 to 50	10 to 50
Storage Temperature		°C	0 to 70	0 to 70	0 to 70



LT-6500 (T10) CW ARRAY

WAVELENGTH: 830

TYPICAL OPTICAL PARAMETERS (@25°C)		UNITS	VALUE		
Output Power per Bar		W	40	60	80
Operation Mode			CW	CW	CW
Emission Length per Bar		mm	10	10	10
Number of Bars		#	11 to 50	11 to 50	11 to 50
Bar Pitch		mm	1.2 or 1.8	1.2 or 1.8	1.2 or 1.8
Maximum Array Output Power		W	2000	3000	4000
Beam Divergence					
Fast Axis (FWHM)		°	38	38	38
Slow Axis (FWHM)		°	12	12	12
TYPICAL ELECTRICAL PARAMETERS (@25°C)					
Power Conversion Efficiency		%	55	52	50
Threshold Current		A	8	12	16
Operating Current		A	45	65	85
Operating Voltage per Bar		V	1.9	1.9	1.9
THERMAL PARAMETERS					
Operating Temperature		°C	10 to 50	10 to 50	10 to 50
Storage Temperature		°C	0 to 70	0 to 70	0 to 70



LT-6500 (T10) CW ARRAY

WAVELENGTH: 885

TYPICAL OPTICAL PARAMETERS (@25°C)		UNITS	VALUE		
Output Power per Bar		W	40	60	80
Operation Mode			CW	CW	CW
Emission Length per Bar		mm	10	10	10
Number of Bars		#	11 to 50	11 to 50	11 to 50
Bar Pitch		mm	1.2 or 1.8	1.2 or 1.8	1.2 or 1.8
Maximum Array Output Power		W	2000	3000	4000
Beam Divergence					
Fast Axis (FWHM)		°	38	38	38
Slow Axis (FWHM)		°	12	12	12
TYPICAL ELECTRICAL PARAMETERS (@25°C)					
Power Conversion Efficiency		%	55	52	50
Threshold Current		A	8	12	16
Operating Current		A	45	65	85
Operating Voltage per Bar		V	1.9	1.9	1.9
THERMAL PARAMETERS					
Operating Temperature		°C	10 to 50	10 to 50	10 to 50
Storage Temperature		°C	0 to 70	0 to 70	0 to 70



LT-6500 (T10) CW ARRAY

WAVELENGTH: 976

TYPICAL OPTICAL PARAMETERS (@25°C)		UNITS	VALUE		
Output Power per Bar		W	40	60	80
Operation Mode			CW	CW	CW
Emission Length per Bar		mm	10	10	10
Number of Bars		#	11 to 50	11 to 50	11 to 50
Bar Pitch		mm	1.2 or 1.8	1.2 or 1.8	1.2 or 1.8
Maximum Array Output Power		W	2000	3000	4000
Beam Divergence					
Fast Axis (FWHM)		°	38	38	38
Slow Axis (FWHM)		°	12	12	12
TYPICAL ELECTRICAL PARAMETERS (@25°C)					
Power Conversion Efficiency		%	55	52	50
Threshold Current		A	8	12	16
Operating Current		A	45	65	85
Operating Voltage per Bar		V	1.9	1.9	1.9
THERMAL PARAMETERS					
Operating Temperature		°C	10 to 50	10 to 50	10 to 50
Storage Temperature		°C	0 to 70	0 to 70	0 to 70



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TECHNICAL DRAWING

DIMENSIONS IN MM

