

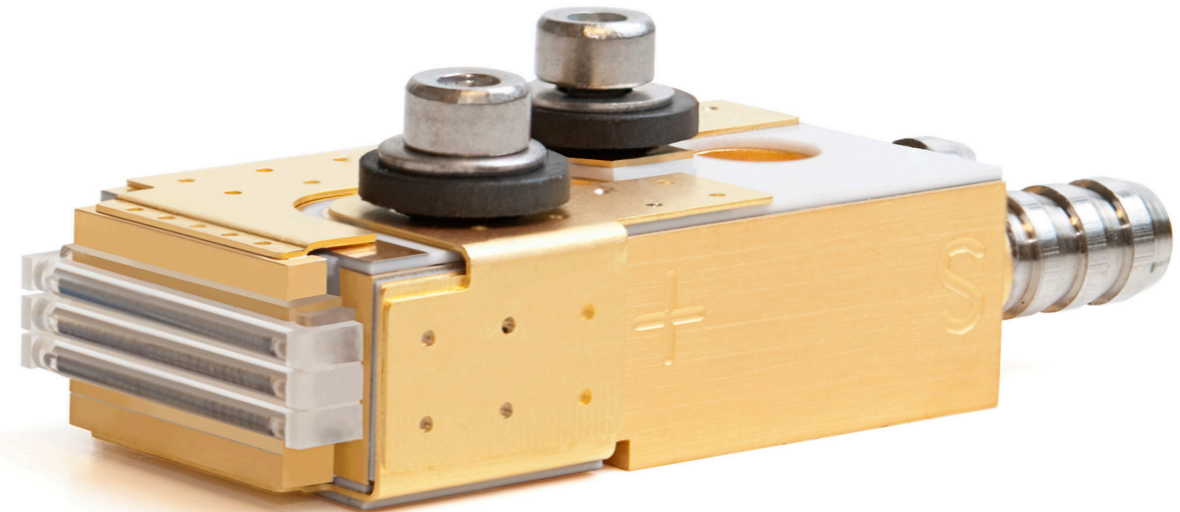
# LT-6500 (T3)

## 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 (T3) CW ARRAY

**WAVELENGTH: 808**

TYPICAL OPTICAL PARAMETERS (@25°C)		UNITS	VALUE			
Output Power per Bar	W	40	60	80	100	
Operation Mode		CW	CW	CW	CW	
Emission Length per Bar	mm	10	10	10	10	
Number of Bars	#	1 to 4	1 to 4	1 to 4	1	
Bar Pitch	mm	1.2 or 1.8	1.2 or 1.8	1.2 or 1.8	1.2 or 1.8	
Maximum Array Output Power	W	160	240	320	100	
Beam Divergence						
Fast Axis (FWHM)	°	36	36	36	36	
Slow Axis (FWHM)	°	12	12	12	12	
TYPICAL ELECTRICAL PARAMETERS (@25°C)						
Power Conversion Efficiency	%	55	52	50	50	
Threshold Current	A	8	12	16	18	
Operating Current	A	45	65	85	105	
Operating Voltage per Bar	V	1.9	1.9	1.9	1.9	
THERMAL PARAMETERS						
Operating Temperature	°C	10 to 50	10 to 50	10 to 50	10 to 50	
Storage Temperature	°C	0 to 70	0 to 70	0 to 70	0 to 70	

# LT-6500 (T3) CW ARRAY

**WAVELENGTH: 830**

TYPICAL OPTICAL PARAMETERS (@25°C)		UNITS	VALUE			
Output Power per Bar	W	40	60	80	100	
Operation Mode		CW	CW	CW	CW	
Emission Length per Bar	mm	10	10	10	10	
Number of Bars	#	1 to 4	1 to 4	1 to 4	1	
Bar Pitch	mm	1.2 or 1.8	1.2 or 1.8	1.2 or 1.8	1.2 or 1.8	
Maximum Array Output Power	W	160	240	320	100	
Beam Divergence						
Fast Axis (FWHM)	°	36	36	36	36	
Slow Axis (FWHM)	°	12	12	12	12	
TYPICAL ELECTRICAL PARAMETERS (@25°C)						
Power Conversion Efficiency	%	55	52	50	50	
Threshold Current	A	8	12	16	18	
Operating Current	A	45	65	85	105	
Operating Voltage per Bar	V	1.9	1.9	1.9	1.9	
THERMAL PARAMETERS						
Operating Temperature	°C	10 to 50	10 to 50	10 to 50	10 to 50	
Storage Temperature	°C	0 to 70	0 to 70	0 to 70	0 to 70	

# LT-6500 (T3) CW ARRAY

**WAVELENGTH: 885**

TYPICAL OPTICAL PARAMETERS (@25°C)		UNITS	VALUE			
Output Power per Bar		W	40	60	80	100
Operation Mode			CW	CW	CW	CW
Emission Length per Bar		mm	10	10	10	10
Number of Bars		#	1 to 4	1 to 4	1 to 4	1
Bar Pitch		mm	1.2 or 1.8	1.2 or 1.8	1.2 or 1.8	1.2 or 1.8
Maximum Array Output Power		W	160	240	320	100
Beam Divergence						
Fast Axis (FWHM)		°	38	38	38	36
Slow Axis (FWHM)		°	12	12	12	12
TYPICAL ELECTRICAL PARAMETERS (@25°C)						
Power Conversion Efficiency		%	50	52	50	50
Threshold Current		A	8	12	16	18
Operating Current		A	45	65	85	105
Operating Voltage per Bar		V	1.9	1.9	1.9	1.9
THERMAL PARAMETERS						
Operating Temperature		°C	10 to 50	10 to 50	10 to 50	10 to 50
Storage Temperature		°C	0 to 70	0 to 70	0 to 70	0 to 70

# LT-6500 (T3) CW ARRAY

**WAVELENGTH: 976**

TYPICAL OPTICAL PARAMETERS (@25°C)		UNITS	VALUE			
Output Power per Bar	W	40	60	80	100	
Operation Mode		CW	CW	CW	CW	
Emission Length per Bar	mm	10	10	10	10	
Number of Bars	#	1 to 4	1 to 4	1 to 4	1	
Bar Pitch	mm	1.2 or 1.8	1.2 or 1.8	1.2 or 1.8	1.2 or 1.8	
Maximum Array Output Power	W	160	240	320	100	
Beam Divergence						
Fast Axis (FWHM)	°	38	38	38	36	
Slow Axis (FWHM)	°	12	12	12	12	
TYPICAL ELECTRICAL PARAMETERS (@25°C)						
Power Conversion Efficiency	%	50	52	50	50	
Threshold Current	A	8	12	16	18	
Operating Current	A	45	65	85	105	
Operating Voltage per Bar	V	1.9	1.9	1.9	1.9	
THERMAL PARAMETERS						
Operating Temperature	°C	10 to 50	10 to 50	10 to 50	10 to 50	
Storage Temperature	°C	0 to 70	0 to 70	0 to 70	0 to 70	

# LT-6500 (T3) CW ARRAY

## TECHNICAL DRAWING

DIMENSIONS IN MM

