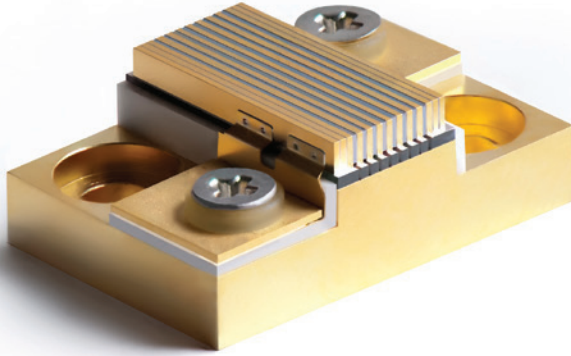


CONDUCTIVELY COOLED LASER DIODE ARRAYS



Lasertel is the world's leading supplier of conductively cooled laser diode arrays. Available in a broad range of package types, bar geometries and wavelengths. Lasertel's laser diode products are optimized for your application.

KEY FEATURES:

- 760nm to 1700nm
- Up to 500W peak power per bar
- Flexible package platform
- 100% hard solder assemblies
- Advanced beam conditioning
- Spectrally broadened bar and multi-wavelength stacks
- Fast and slow axis collimation
- Wavelength stabilized options



Lasertel products proudly made in the USA
P: +1 877.844.1444 E: SALES@LASERTEL.COM

YOUR LASER STARTS HERE

Customizable Packages

Lasertel laser diodes are manufactured in our US-based ISO 9001:2008, ISO 13485:2003 and AS9100C certified facility.



TYPICAL SPECIFICATIONS:

760nm - 1100nm							
TYPICAL OPTICAL PARAMETERS (@25° C)	Units	Typical Value					
Array Peak Output Power	W	2000	4000	6000	10000	2000	3000
Bar Emission Length	mm	10				3	5
Operation Mode		Pulsed					
Operating Current	A	95	200	330	550	120	165
Number of Bars	#	up to 20					
Operating Voltage per Bar (760nm - 830nm)	V	1.9	2	2.1	2		
Operating Voltage per Bar (850nm - 1100nm)	V	1.5	1.6	1.7	1.6		
Power Conversion Efficiency	%	60	58				
Bar to Bar Pitch	mm	0.35, 0.40, 1.2					
Beam Divergence							
Fast Axis (FWHM)	°	36			32	36	
Slow Axis (FWHM)	°	10					

1400nm - 1700nm		
TYPICAL OPTICAL PARAMETERS (@25° C)	Units	Typical Value
Array Peak Output Power	W	500
Bar Emission Length	mm	10
Operation Mode		Pulsed
Operating Current	A	95
Number of Bars	#	up to 20
Operating Voltage per Bar	V	1.5
Power Conversion Efficiency	%	25
Bar to Bar Pitch	mm	0.35, 0.40, 1.2
Beam Divergence		
Fast Axis (FWHM)	°	27
Slow Axis (FWHM)	°	10

Patent Numbers: US 7,660,335 | US 7,864,825 | US 6,352,873 | US 6,295,307

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