

LASERTEL

Pointers and Illuminators

Lasertel's line of pointers and illuminators pairs our high power diode arrays with advanced beam shaping and conditioning optics. As a vertically integrated manufacturer of chips, optics, packages and electronics, Lasertel offers a wide range of products that can be customized for the specific application.



KEY FEATURES

- 760 nm to 1,700 nm
- Rugged operating environments
- Hermetically sealed, epoxy-free output window
- Custom beam shapes & sizes
- Options for integrated red aiming beam, power monitor, temperature sensor
- Options for internal polarizer, homogenizer
- Customizable packages

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TYPICAL SPECIFICATIONS

760 nm - 1,100 nm			
Typical Parameters (@25°C)	Units	Typical Value	
Output Power	W	1 to 12	100 to 10,000
Electrical to Optical Efficiency	%	>50	
Beam Shape		Gaussian	Line, Rectangle
Aspect Ratio		1:1 to 3:1	1:1 to 2,000:1
Divergence	mrad	As low as 0.5	As low as 10
Power Uniformity	%p-v	<10	
Power Distribution		Top Hat or Gaussian	

1,400 nm - 1,700 nm			
Typical Parameters (@25°C)	Units	Typical Value	
Output Power	W	0.5 to 3	10 to 3,000
Electrical to Optical Efficiency	%	>20	
Beam Shape		Gaussian	Line, Rectangle
Aspect Ratio		1:1 to 3:1	1:1 to 2,000:1
Spot Size	mrad	As low as 0.5	As low as 10
Power Uniformity	%p-v	<10	
Power Distribution		Top Hat or Gaussian	

ABOUT US

Leonardo Electronics US enables next-gen technologies in defense, security, medical, automotive and industrial segments. For over 20 years, the Lasertel facility based in Tucson, AZ has driven robust laser design and innovation resulting in enabling technology to support market leaders worldwide.

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Lasertel products are proudly made in the USA

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