

S3

Top mounted electrical connections. Bottom mechanical mounting. Thermistor well.

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



Typical Specifications

760nm - 1100nm							1400nm - 1700nm			
Typical Optical Parameters (@25 °C)	Units	Typical Value					Typical Optical Parameters (@25 °C)	Units	Typical Value	
Array Peak Output Power	W	2000	4000	6000	10000	2000	3000	Array Peak Output Power	W	500
Bar Emission Length	mm	10			3		5	Bar Emission Length	mm	10
Operation Mode		Pulsed					Operation Mode		Pulsed	
Operating Current	A	95	200	330	550	120	165	Operating Current	A	95
Number of Bars	#	up to 20					Number of Bars	#	up to 20	
Operating Voltage per Bar (760nm - 830nm)	V	1.9	2	2.1	2		Operating Voltage per Bar	V	1.5	
Operating Voltage per Bar (850nm - 1100nm)	V	1.5	1.6	1.7	1.6		Power Conversion Efficiency	%	25	
Power Conversion Efficiency	%	60	58					Bar to Bar Pitch	mm	0.35, 0.40, 1.2
Bar to Bar Pitch	mm	0.35, 0.40, 1.2					Beam Divergence			
Beam Divergence							Fast Axis (FWHM)	°	27	
Fast Axis (FWHM)	°	36		32		36	Slow Axis (FWHM)	°	10	
Slow Axis (FWHM)	°	10								

Technical Drawing

