OSI LaserDiode, Inc.

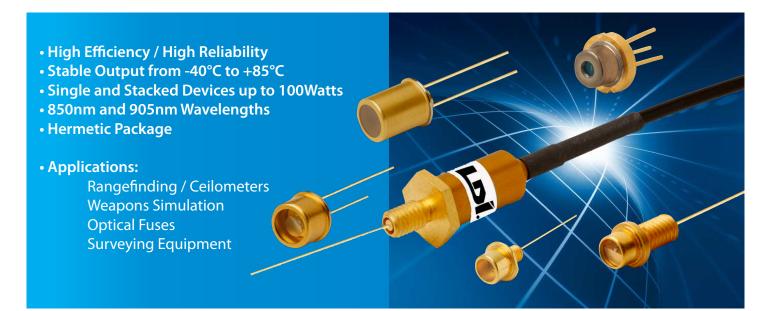
An OSI Systems Company

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www.laserdiode.com

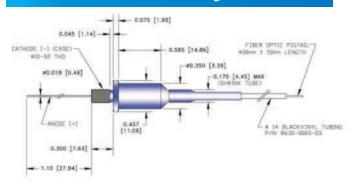
High Power Pulsed Laser Diodes

ISO 9001:2008 Certified

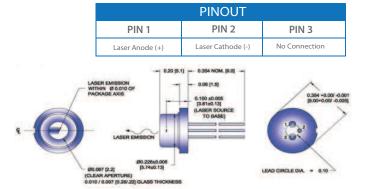


Parameters		Sym	nbol	Min		Тур	Max	X	Units	
Peak Wavelength)	١						nm	
CVD 60 / 160	Series			895		905	915	5	nm	
CVD 90 / 190	Series			840		850	860)	nm	
pectral Width		Δλ				5.0	12		nm	
Rise Time - Lasers		٦	Γ _r			1			ns	
Pulse Width = 50% pts	5	7	Грw			100	200)	ns	
Beam Spread		FW	HM			10 x35			degrees	
Operating Temperatur	e	7	Гор	-40			85		°C	
Storage Temperature		-	T _{stg}	-55			85		°C	
CVD 905nm Series	Test Cor	nditions: '	100ns, 1	kHz, 25°C						
CVD 905nm Series Parameters	Test Cor CVD 40	nditions: ´	CVD 60	CVD 62	2 CVD 65	5 CVD 68		CVD 1		
Parameters Peak Power	CVD 40 2	CVD 46	CVD 60 4	CVD 62 8	CVD 65	22	35	100		
Parameters Peak Power Number of Diodes	CVD 40 2 1	CVD 46 3 1	CVD 60 4 1	CVD 62 8 1	2 CVD 65 13 1	22 1	35 3	100 5) Wat	
Parameters Peak Power Number of Diodes Emitting Area Typical	2 1 40 x 1	CVD 46 3 1 62 x 1	CVD 60 4 1 76 x 1	CVD 62 8 1 152 x 1	2 CVD 65 13 1 254 x 1	22 1 381 x 1	35 3 254 x 203	100 5 381 x 4) Wa1 406 un	
Parameters Peak Power Number of Diodes	CVD 40 2 1	CVD 46 3 1	CVD 60 4 1	CVD 62 8 1	2 CVD 65 13 1	22 1	35 3	100 5) Wat 406 un Am	
Parameters Peak Power Number of Diodes Emitting Area Typical Peak If Duty Factor (max)	2 1 40 x 1 2.6 0.1	CVD 46 3 1 62 x 1 4 0.1	CVD 60 4 1 76 x 1 5 0.1	8 1 152 x 1 10 0.1	2 CVD 65 13 1 254 x 1 15	22 1 381 x 1 25	35 3 254 x 203 15	100 5 381 x 4 25) Wat 406 un Am	
Parameters Peak Power Number of Diodes Emitting Area Typical Peak If Duty Factor (max)	2 1 40 x 1 2.6 0.1	CVD 46 3 1 62 x 1 4 0.1	CVD 60 4 1 76 x 1 5 0.1 1 kHz, 2	8 1 152 x 1 10 0.1	2 CVD 65 13 1 254 x 1 15	22 1 381 x 1 25	35 3 254 x 203 15	100 5 381 x 4 25	0 Wat 406 un Am 4 %	
Parameters Peak Power Number of Diodes Emitting Area Typical Peak If Duty Factor (max) CVD 850nm Test Parameters Peak Power	2 1 40 x 1 2.6 0.1	CVD 46 3 1 62 x 1 4 0.1 s: 100ns,	CVD 60 4 1 76 x 1 5 0.1 1 kHz, 2	CVD 62 8 1 152 x 1 10 0.1 5°C	2 CVD 65 13 1 254 x 1 15 0.1	22 1 381 x 1 25 0.1 CVD 193 40	35 3 254 x 203 15 0.08	100 5 381 x 4 25 0.04 CVD 197 100	0 Wat 406 un Am 4 %	
Parameters Peak Power Number of Diodes Emitting Area Typical Peak If Duty Factor (max) CVD 850nm Test Peak Power Number of Diodes	2 1 40 x 1 2.6 0.1 ondition CVD 90 5 1	CVD 46 3 1 62 x 1 4 0.1 s: 100ns, CVD 10	CVD 60 4 1 76 x 1 5 0.1 1 kHz, 2	8 1 152 x 1 10 0.1 5°C CVD 95 15 1	2 CVD 65 13 1 254 x 1 15 0.1 CVD 97 25 1	22 1 381 x 1 25 0.1 CVD 193 40 3	35 3 254 x 203 15 0.08 CVD 195 60 3	100 5 381 x 4 25 0.04 CVD 197 100 5	0 Wat 406 un Am 4 % 7 Un Wa	
Parameters Peak Power Number of Diodes Emitting Area Typical Peak If Duty Factor (max) CVD 850nm Test Parameters Peak Power	CVD 40 2 1 40 x 1 2.6 0.1 ondition CVD 90	CVD 46 3 1 62 x 1 4 0.1 s: 100ns,	CVD 60 4 1 76 x 1 5 0.1 1 kHz, 2	8 1 152 x 1 10 0.1 5°C CVD 95	2 CVD 65 13 1 254 x 1 15 0.1	22 1 381 x 1 25 0.1 CVD 193 40	35 3 254 x 203 15 0.08 CVD 195 60	100 5 381 x 4 25 0.04 CVD 197 100	0 Wat 406 un Am 4 % 7 Un Wa	

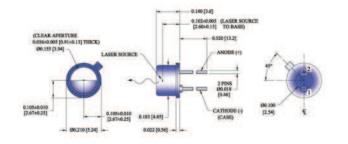
TO5F (Non-Hermetic) Package



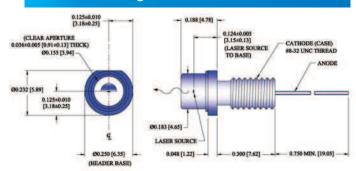
9 mm Package



TO18T Package

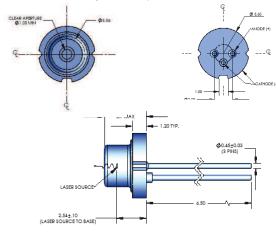


TO18C Package



5.6mm Package

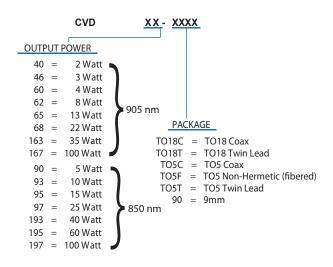
Note: Available with Single Chip Only



Other package options available. Dimensions: inches [mm]

Ordering Information

When ordering, refer to the information below.



Products can be ordered directly from OSI Laser Diode Inc. or its representatives. For a complete listing of representatives, visit our website at www.laserdiode.com

Note:

Not all options are available for all packages. Other power options are available. Fiber pigtailed versions of all lasers are available. Fiber length is 1 meter +/- 0.1 meter unless otherwise noted. Output is typically 50% of rated power for fibered products.

Safety:

Caution: Laser light emitted from any diode laser may be harmful to the human eye. Avoid looking directly into the diode laser aperture when the device is in operation.

Class 3B laser

ESD Caution:

Handle diode lasers with extreme care to prevent electrostatic discharge. Follow ESD precautions when handling devices.

Warranty:

Please refer to your product purchase agreement for complete details or check with your OSI Laser Diode sales representative.

OSI Laser Diode Inc. reserves the right to make changes to the products or information contained herein without notice. No liability is assumed as a result of their use or application.