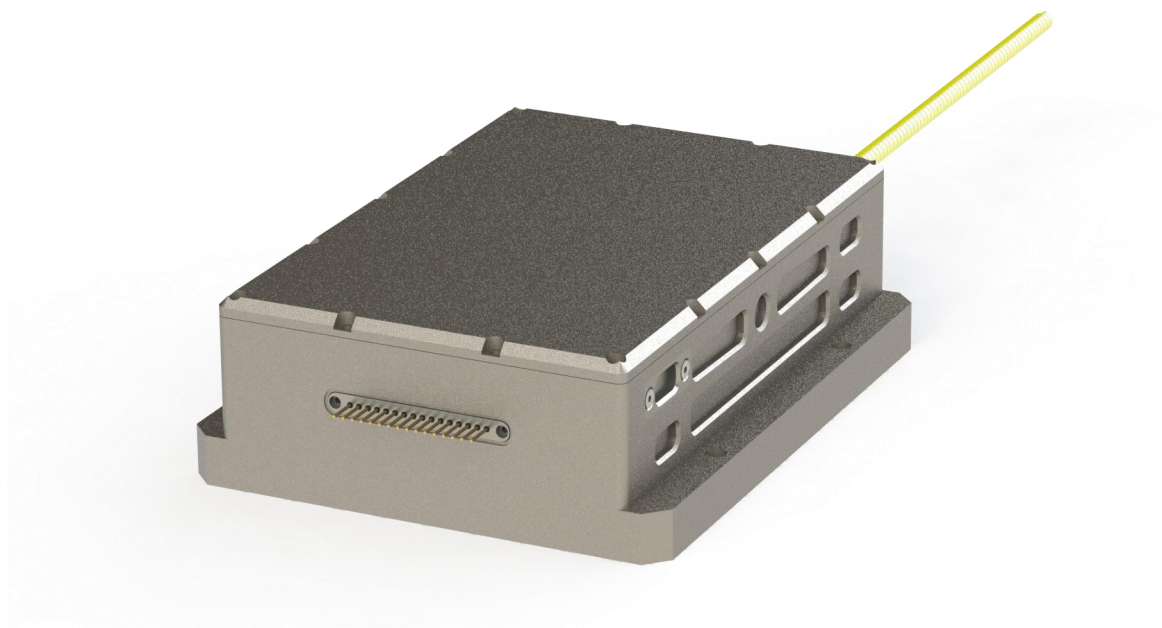


V-Series High Power Laser Diode Module



Features ◆ High output power of 40 W

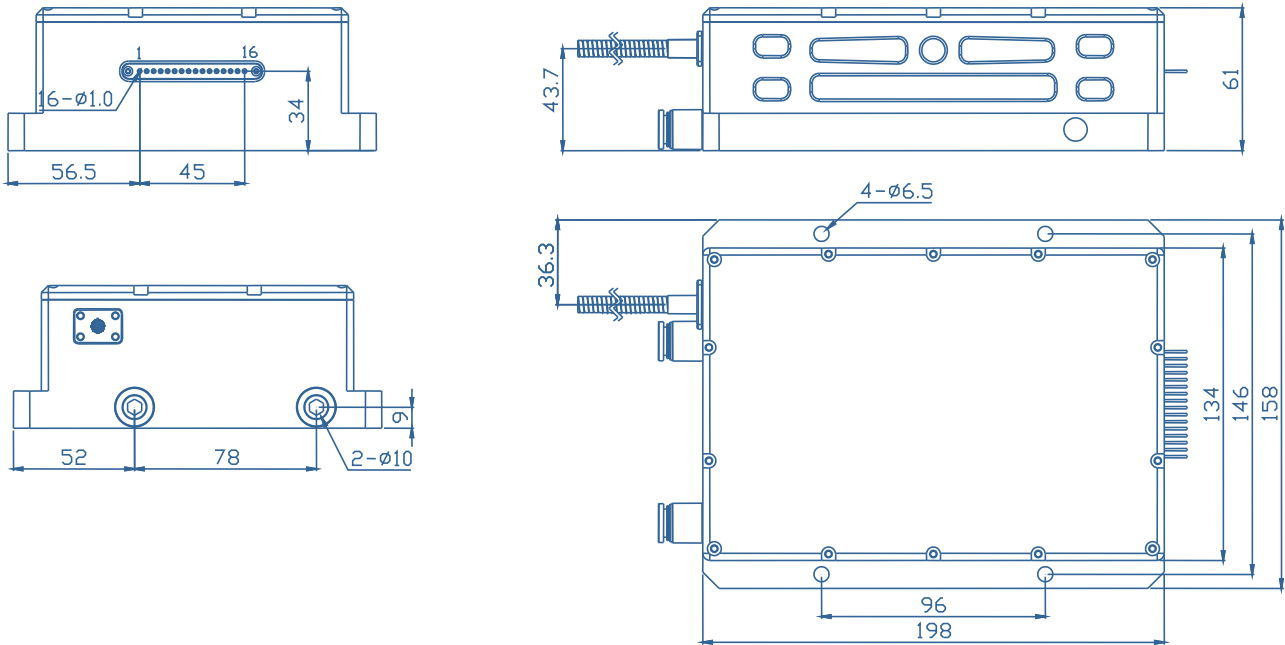
◆ 100μm/0.22NA multimode optical fiber

◆ Center wavelength 520±10nm

Applications ◆ Industrial Processing

◆ Lighting

Package Dimensions (mm)



Pin-out Assignment

Pin	Function	Pin	Function
1	LD1(+)	9	-
2	LD1(-)	10	-
3	LD2(+)	11	Thermistor
4	LD2(-)	12	Thermistor
5	LD3(+)	13	-
6	LD3(-)	14	-
7	LD4(+)	15	PD(N)
8	LD4(-)	16	PD(P)

Typical Device Performance (20°C)

	Min	Typical	Max	Unit
Optical				
CW Output Power	-	40	-	W
Center Wavelength	-	520±10	-	nm
Spectral Width (90% of Power)	-	4.0	-	nm
Electrical*				
Threshold Current	0.15	-	0.50	A
Operating Current	-	1.9	2.3	A
Operating Voltage	-	56	60	V
Slope Efficiency	-	6.2	-	W / A
Power Conversion Efficiency		14	-	%
Fiber*				
Fiber Core Diameter	-	100	-	μm
Numerical Aperture	-	0.22	-	-
Fiber Length	-	1-5	-	m
Fiber Connector	-	FC/D80/SMA905	-	-
Fiber Armor	-	Φ3mm, Stainless steel	-	-
Water Cooling				
Cooling Capacity	350		W	
Minimum Flow Rate	2.0		L/min	
Water Pressure	0.3		Mpa	
Temperature	25		℃	
PH	5.6~7.9			
Water Quality	RO/DH2O			

* Customized fiber and connector available.

Absolute Ratings

	Min	Max	Unit
Operating Temperature	15	35	°C
Operating Relative Humidity	-	75	%
Storage Temperature	-20	80	°C
Storage Relative Humidity	-	90	%

This instruction is for reference only. Han's TCS improves its products continually, therefore may change specifications without notice to customers, for details, please contact with Han's TCS sales.

@2022 Han's TianCheng Semiconductor Co., Ltd. All rights reserved.