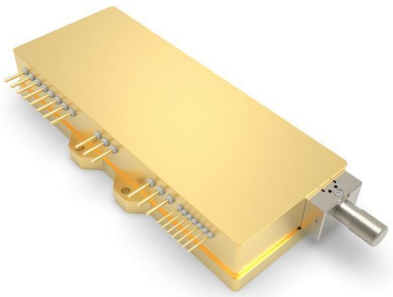
Multi-Wavelength Detachable Diode Laser

KA020B040D020E020F002G003AGCG-Y1Y



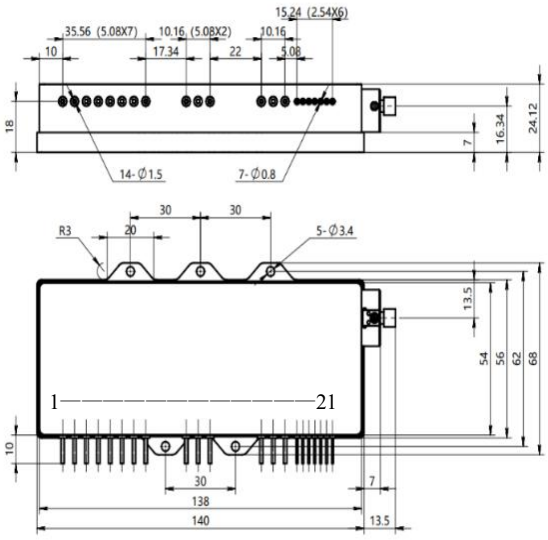
Features:

- Multiple wavelength
- Multiple function
- 600μm fiber detachable
- Additional Functions: Aiming beam、Thermistor、Fiber&Power monitor 、 Replaceable window panel

Applications:

- Medical use

Package Dimensions (mm)



Pin	Functio	Pin	Function
1	1064 LD(+)	12	520 LD(-)
2	1064 LD(-)	13	450 LD(+)
3	980 LD(+)	14	450 LD(-)
4	980 LD(-)	15	Thermistor
5	915 LD(+)	16	Thermistor
6	915 LD(-)	17	PD(P)
7	808 LD(+)	18	PD(N)
8	808 LD(-)	19	FCD PD(+)
9	635 LD(+)	20	FCD LED(+) &FCD PD(-)
10	635 LD(-)	21	FCD LED(-)-
11	520 LD(+)		

OPERATING NOTES

- Avoid eye and skin exposure to direct radiation during operation.
- ESD precautions must be taken during storage, transportation and operation.
- Short-circuit is required between pins during storage and transportation.
- Please connect pins to wires by solder instead of using socket when operation current is higher than 6A. Soldering point should be close to the middle of the pins. Soldering temperature should be lower than 260℃ and time shorter than 10 second.
- Make sure the fiber output end is properly cleaned before operation of laser. Follow safety protocols to avoid injury when handling and cutting the fiber.
- Laser diode must work with good cooling.
- Operation temperature ranges from 15℃ to 35℃ .
- Storage temperature ranges from -20℃ to +70℃.



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Specifications（25℃）		Symbol	Unit	KA020B040D020E020F002G003AGCG-YIY		
				Minimum	Typical	Maximum
808 (1)	CW Output Power	P_o	W	20	-	-
	Center Wavelength	λ_c	nm		808±10	
	Threshold Current	I_{th}	A	-	2.8	-
	Operating Current	I_{op}	A	-	10	15
	Operating Voltage	V_{op}	V	-	5.5	6
915 (1)	CW Output Power	P_o	W	40	-	-
	Center Wavelength	λ_c	nm		915±10	
	Threshold Current	I_{th}	A	-	1.2	-
	Operating Current	I_{op}	A	-	12.5	13.5
	Operating Voltage	V_{op}	V	-	6.5	8
980 (1)	CW Output Power	P_o	W	20	-	-
	Center Wavelength	λ_c	nm		980±10	
	Threshold Current	I_{th}	A	-	0.9	-
	Operating Current	I_{op}	A	-	13.5	15
	Operating Voltage	V_{op}	V	-	3	4
1064 (1)	CW Output Power	P_o	W	20	-	-
	Center Wavelength	λ_c	nm		1064±20	
	Threshold Current	I_{th}	A	-	1.5	-
	Operating Current	I_{op}	A	-	12	15
	Operating Voltage	V_{op}	V	-	4.5	6
450 (1)	CW Output Power	P_o	W	3	-	-
	Center Wavelength	λ_c	nm		450±10	
	Threshold Current	I_{th}	A	-	0.2	-
	Operating Current	I_{op}	A	-	2.5	3.5
	Operating Voltage	V_{op}	V	-	4	5
635 (1)	CW Output Power	P_o	W			
	Center Wavelength	λ_c	nm	2	-	-
	Threshold Current	I_{th}	A		635±10	
	Operating Current	I_{op}	A	-	0.35	-
	Operating Voltage	V_{op}	V	-	6.6	7.8
520 (1)	CW Output Power	P_o	mW	5		
	Center Wavelength	λ_c	nm		520±10	
	Threshold Current	I_{th}	mA	-	45	-
	Operating Current	I_{op}	mA	-	100	300
	Operating Voltage	V_{op}	V	-	7	8
Thermistor	-	Rt	(KΩ)/(25℃)		10±3%	
PD	-	PD	μA	100	-	6000
Fiber Data	Core Diameter	D_{core}	μm	-	600	-

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	Numerical Aperture	NA	-	-	0.22	-
	Fiber Connector	-	-	-	SMA905	-
Others	ESD	V_{esd}	V	-	-	500
	Storage Temperature(2)	T_{st}	℃	-20	-	70
	Lead Soldering Temp	T_{ls}	℃	-	-	260
	Lead Soldering Time	t	sec	-	-	10
	Operating Case Temperature(3)	T_{op}	℃	15	-	35
	Relative Humidity	RH	%	15	-	75

(1) Data measured under operation temperature @25℃.

(2) A non-condensing environment is required for operation and storage.

(3) Operating temperature defined by the package case. Acceptable operating range is 15℃~35℃, but performance may vary.

Declaration : information and specifications contained herein are deemed to be reliable and accurate. Hyperline reserves the right to change, alter or modify the design and specifications of these products at any time without notice.26-09