Fibotype

Features:

- high current drivers
- high speed
- wide choice of laserdiodes
- custom package
- optics and fiber-arrays optional

MM-Fiber Coupled Laserdiode Subsystems

Fibercoupled laserdiodes are widely used in many industrial applications such as the printing industry, other graphic arts, material processing and sensing instruments.

Laserdiodes need safe drive conditions guaranteed by ready-to-use laserdiode subsystems. These products are cost savers for the customers dealing with industrial environment or growing complexity of the final system. Fibotec offers subsystems that provide fast modulation of high-current laserdiodes with fiber arrays attached.

Laserdiodes to be integrated to a subsystem are used according to the customer´s need from a variety of different suppliers or specified by the final customer to address certain purchasing agreements or qualification processes.

FIBOTEC

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Specifications: MM-Fiber Coupled Laserdiode Subsystems

Parameter	PHS-F6N8 28001 01	PHS-F6N8 28004 01	PHS-F1N9 34004 01	unit
laserdiodes / module	1	4	4	pcs.
power / channel	0.65	0.65	2.5	W
wavelength	typ. 830	typ. 830	typ. 830	nm
fiber core diameter*	60	60	104	µm
NA out of fiber*	0.14	0.14	0.14	
fiber pitch*	N/A	128	128	µm
rise/fall time	max. 50	max. 50	max. 200	ns
drive current @5 VDC	2	8	25	A

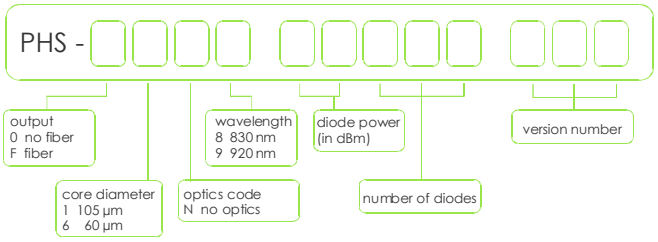
* arrayed output

Options:

A: customized packaging
B: different fiber core diameter or NA and laserdiode power or wavelength
C: connectorized fiber ends or arrayed fiber with different pitch

Please indicate requirements by selecting options from the table or filling in desired values that still need to be confirmed by the manufacturer.

ordering information:



Please note that some combinations of options are not available.
Contact factory for availability and special housings like rack-mounting.

Specification:

size:	approx. 40 ccm/channel (without heatsink)
weight:	approx. 200 g (without heatsink))
supply:	5 V DC
working temperature:	10°C-30°C (non-condensing) requires heatsinking (0.5°C/W aircooled option available
storage temperature:	-0°C-55°C
complies with CE	