

High Power Cable-Laser Output Caput (QBH)

1.0 Description

High Power Cable-Laser Output Caput (QBH) is an optical fiber output device for optical fiber expanding output, which can reduce power density. It is often used for metal cutting or welding.

2.0 Optical and Operation Specifications

Item	Specifications	Min.	Typ.	Max.	Unit	Notes
2.01	Laser wavelength	900	-	2000	nm	
2.02	Polarization	Random				PM Customizable
2.03	Operation regime	CW				
2.04	Signal insertion loss	0.01	0.05	0.1	dB	
2.05	Fiber length	1	15	30	m	Customizable
2.06	Power Handling	1	2-5	12	kW	
2.07	Stripping power	200	500	1000	W	
2.08	Fiber type	20/400 DCF, NA:0.06/0.46				
		25/400 DCF, NA:0.06/0.46				
		30/400 DCF, NA:0.06/0.46				
		50/70/360, NA:0.22/0.46				
		100/120/360, NA:0.22/0.46				
		200/220/360, NA:0.22/0.46				
2.09	Operating temperature range	0		+75	°C	
2.10	Storage temperature	-40		+85	°C	
2.11	Cooling Method	Reinforced water cooling				

3.0 Mechanical specifications and drawings

Item	Specifications	Unit	Notes
3.01	Module's Dimensions	mm	Water cooling

The drawing shows a side view of the module with the following dimensions: 0, 167.2, 152, 50.4, 38.5, 33, 28.4, 18.8, 12.2, 59.4, 18.9, 40, 25, and M20X2. A note indicates 0=FEB. The drawing also shows a cross-section of the module with a diameter of 25 mm and a thread of M20X2.

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4.0 Ordering information

QBH-①-②-③-④/④

①: Fiber type	②: Handling power	③: Stripping power
D17 - 20/400 DCF, 0.06NA	1.0 – 1kW	200 – 200W
D07 - 25/400 DCF, 0.06NA	1.5 – 1.5kW	600 – 600W
D08 - 30/400 DCF, 0.06NA	5.0 – 5kW	800 – 800W
T00 –50/70/360, 0.22/0.46NA	10.0 – 10kW	ect.
ect.	ect.	

④/④: Cable/Fiber length

3.0 – 3.0m
4.0 – 4.0m
5.0 – 5.0m
ect.

For example: **QBH-D17-1.5-200-3.0/3.5**