

光纤激光光缆 (Quartz Block Head)



1.0 Description

光纤激光光缆 (QBH) 集成了高功率包层光剥除器和端帽熔接, 用于高功率光纤激光传输的光输出接口。低传输损耗, 高承载功率, 高反射承受能力, 提供水冷和安全互锁功能。主要应用: 光纤激光器输出、激光加工设备配套、固态激光器/直接半导体光纤耦合激光器等方面

2.0 Specifications

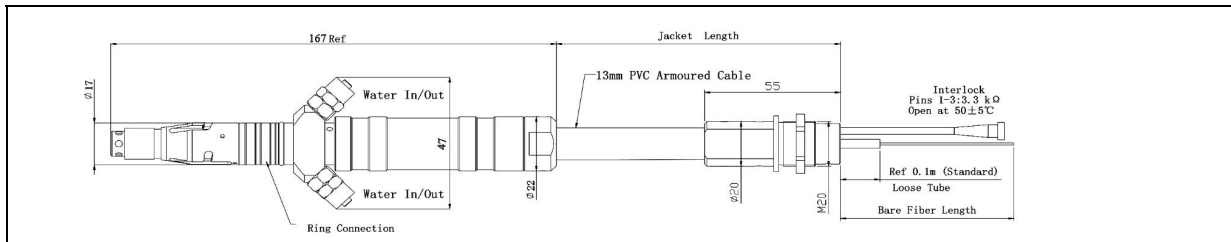
Parameters	Unit	Values
Operating Wavelength	nm	900 ~ 1000 (Nominal Center Wavelength 950nm) ~ 1110 (Nominal Center Wavelength 1080 nm) 1050
Typ. Transmission Ratio	-	99%
Min. Transmission Ratio	-	98%
Max. Handling Power (CW)	W	1000, 2000, 4000 ,6000,8000,12000 or Specify
Pulse Power	-	Max. 10KW @10ms Max. 50KW @1ms Max. 1MW @50ns
Loss Power Handling Capability	-	1KW for 10 min 500W Continuously
Nominal Beam Pointing Accuracy	deg	1
Min. Beam Ellipticity	-	0.92
Max. Fiber Tensile Load	N	5
Package Material	-	Stainless Steel / Aluminum / Copper
Operating Temperature	°C	+10 to +50
Storage Temperature	°C	-10 to +75
Max. Water Pressure	Bar	8
Flow of Water	L/min	1.5-3
Fiber Length ≤15 m	-	The Fiber Length Tolerance is -10cm
15m < Fiber Length ≤30m	-	The Fiber Length Tolerance is -20cm
Jacket Length≤15m	-	The Jacket Length Tolerance is +0.2/-0.1m
15m < Jacket Length ≤30m	-	The Jacket Length Tolerance is +0.4/-0.2m

*The actual dimensions may be different from above drawing due to different requirements, please see shipment data sheet.

*If the power is up to or more than 2KW, we suggest using some protective hat without window.

*The material must be RoHS compliant.

3.0 Mechanical specifications and drawings: (Type P01)



4.0 Ordering information

CNQBH-0-0-0-0-0-0-0-0-0				
①: Wavelength	②: Connector Type	③: Handling Power		
915 - 915nm 950 - 950nm 1064 - 1064nm 1080 - 1080nm ect.	QB - QBH Compatible ect.	1KW - 1000W 2KW - 2000W 4KW - 4000W 6KW - 6000W ect.		
④: Fiber Type	⑤: Jacket Length	⑥: Bare Fiber Length	⑦: Package Type	
01 - BrightCore YZ037 20/250, 0.075NA 02 - BrightCore YZ041 25/250, 0.11NA 03 - BrightCore DZ027 20/400, 0.065NA 04 - BrightCore YZ035 50/400, 0.12NA 05 - BrightCore YZ049 50/70/125, 0.12NA 06 - BrightCore DZ066 50/70/250, 0.12NA 07 - BrightCore YZ042 50/70/360, 0.22NA 08 - BrightCore YZ050 100/140/250, 0.12NA 09 - BrightCore 100/120/200, 0.15NA ect.	08 - 8m 10 - 10m 15 - 15m 20 - 20m ect.	1.0 - 1m 1.5 - 1.5m 2.0 - 2m ect.	P01 - Type P01 P02 - Type P02 P03 - Type P03 ect.	
	⑧: Protection Cap Type	⑨: Cable End Package		
	N - Aluminum Without Window W1 - Aluminum With Window For SM Fiber W2 - Aluminum With Window For MM Fiber ect.	B - Binder Connector Type P - 2-Pin Leadwire N - None		
For example: CNQBH-1080-QB-2KW-03-15-2.0-P01-W1-P				