High Power Cladding Power Stripper

1.0 Description

The High Power Cladding Power Stripper (CPS) is designed for high power fiber laser and amplifier applications. The device is ideal for stripping residual pump power, ASE and escaped core modes within the inner cladding of double cladding fibers while preserving minimal degradation of signal power and beam quality. Reflected signal power into the inner cladding from the facet can be stripped out as well.

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		0.05		dB	
2.05	Pigtail length		1.0		m	Default
2.06	Cladding power stripping ratio		20		dB	
2.07	Handling power		200		W	Bottom conduction cooling
			600		W	Direct water cooling
2.08	Operating temperature range	0		+75	°C	
2.09	Storage temperature	-40		+85	°C	

3.0 Mechanical specifications and drawings

Item	Specifications		Unit	Notes
3.01	Module's Dimensions	128*30*20	mm	Bottom conduction cooling

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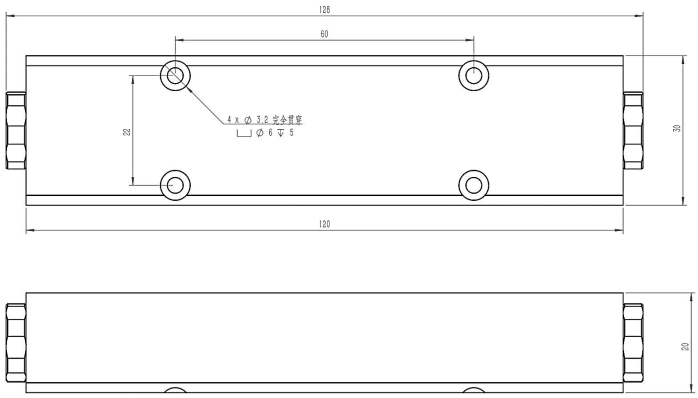
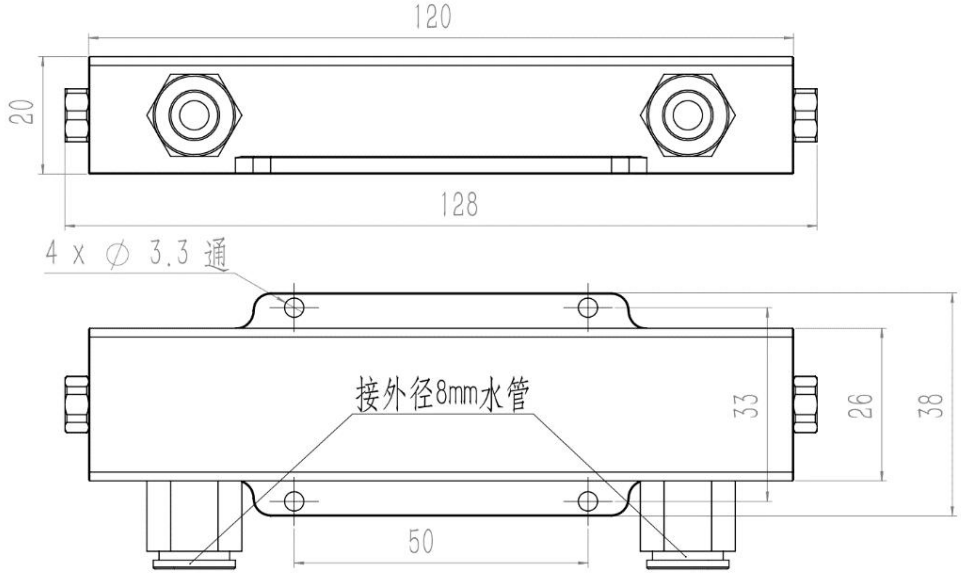
Longhua District,Shenzhen,Guangdong Province,China



Item	Specifications		Unit	Notes
3.02	Module's Dimensions	128*38*20	mm	Direct water cooling



4.0 Ordering information

CPS-①-②-③/③-④		
①：Fiber type	**②：Power Handling**	**③/③：Input/Output fiber length**
D17 – 20/400 DCF, 0.06NA D07 – 25/400 DCF, 0.06NA D08 – 30/400 DCF, 0.06NA ect.	200 – 200W 600 – 600W etc.	1.0 – 1.0m Default 1.5 – 1.5m 2.0 – 2.0m ect.

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④：Package type

A – Conduction cooling package 128*30*20
C – Direct water cooling package 128*38*20
D –Glass tube package
S – Specify

For example：**CPS-D17-200-1.0/1.0-A**

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