

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 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	700	-	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	350	W	Bottom conduction cooling
			600	2000	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	150*15*12	Bottom conduction cooling

4.0 Ordering information

CNCPS-①-②-③/③-④		
①: Fiber type	②: Power Handling	③/③: Input/Output fiber length
D03 - 10/130 DCF, 0.075NA D07 - 25/250 DCF, 0.06NA D08 - 30/250 DCF, 0.06NA D11 - 25/300 DCF, 0.06NA D12 - 20/400 DCF, 0.06NA D15 - 50/400 NA:0.12/0.45 T02 - 100/120/360, NA:0.22/0.46 ect.	200 – 200W 600 – 600W 1KW – 1000W 2KW – 2000W etc.	1.5 – 1.5m 2.0 – 2.0m Default 3.0 – 3.0m ect.
④: Package type		
A1 = Aluminum package 150*15*12mm G1 = Glass tube package φ6*120mm G2 = Glass tube package φ3*110mm S – Specify		
For example: CNCPS-D12-200-2.0/2.0-G1 SN: 252A3322001、100B3122001		