

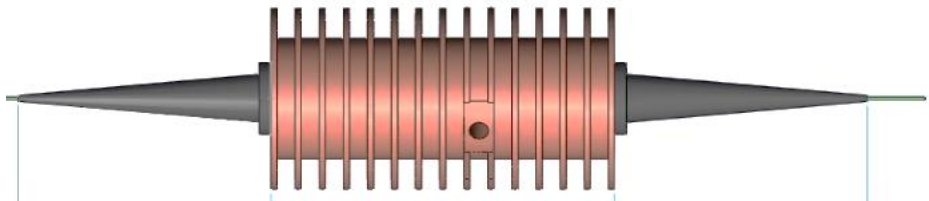
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Fiber Cladding Power Stripper With Internal Liquid Cooling

(100 -1kW)

Product Description

Our Fiber Cladding Power Stripper remove unwanted cladding light from a high optical power transmission fiber, that is harmful to the downstream components. This device does not break the fiber, offering continuous core transmission with little loss. The devices have unique internal passive liquid circulation micro-chambers to cool localized hot spots effectively. The devices are designed for aerospace systems with high reliability and power level exceeding kW. We offer both medium power compact size and high power compatible packages, both with internal self-containing liquid cooling. The devices should be mounted in contact with a heat sink, such as metal frame to transfer the heat from the device surfaces.



Performance Specifications

FCPS	Min	Typical	Max	Unit
Operation Wavelength	450		2600	nm
Core Insertion Loss ^[1]		0.01	0.03	dB
Polarization Dependent Loss (SM version only)		0.01	0.03	dB
Cladding Attenuation	17	20	25	dB
Extinction Ratio (PM version only)	19	23	25	dB
Return Loss	55			dB
Cladding Power Stripping	20	100	1000 ^[8]	W
Operating Temperature	-5		75	°C
Storage Temperature	-40		85	°C

Notes:

[1].Without connector and at room temperature
[2]Require to mount on an effective heat sink

Features

- High Reliability
- Ultra-Low Loss
- Passive
- Integrated Tap

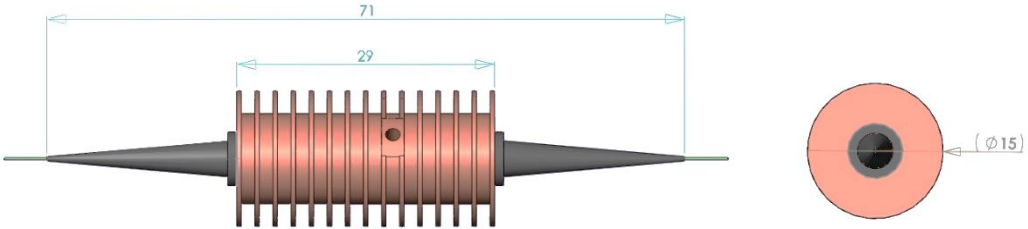
Applications

- Laser
- Protection
- High Power Device



Mechanical Dimension (unit: mm)

The sizes vary with the stripping power requirements.



*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

Ordering Information

FCPS-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Stripping Power	Wavelength	Fiber Type			Fiber Length	Connector*
	10W=1 20W=2 50W=3 100W=4 500W=5 700W=6 1KW=7 1.5KW=8 2.5KW=9 Special =0	1020-1080nm=1 1520-1590nm=2 1800-2500nm=3	PM =1 Non-PM =0	6/125 DC =061 10/125 DC =101 15/125 DC =151 20/125 DC =201 20/200 DC =202 25/250 DC =252 30/250 DC =302 20/400 DC =204 GDF-1550=G15 12/130,NA.2/.46=121 25/300,NA.09/.46=253 10/130,NA.15/.46=103 25/350,NA.09/.46=253 25/400,NA.15/.46=254	Bare fiber=1 900 μm tube=3 3mm tube =5 Armor =7 Special=0	0.25m=1 0.5m=2 1.0m=3 1.5m=4 Special=0	None=1 FC/PC=2 FC/APC=3 Special=0

* The high power connectors are special orders