

High Power Mode Fiber Adaptor

1.0 Description

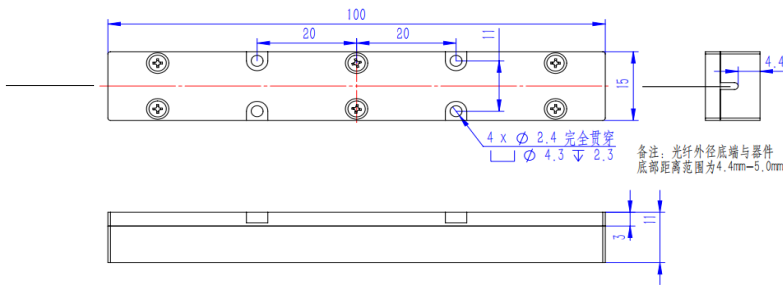
The High Power Mode Field Adaptor (MFA) is designed for adiabatic mode transition. It connects two different fibers with different NA and core diameter, as well as cladding, to keep mode field diameter matched with low fundamental mode signal loss and minimal degradation of beam quality. Fiber types can be customized.

2.0 Optical and Operation Specifications

Item	Specifications	Min.	Typ.	Max.	Unit	Notes
2.01	Signal wavelength	900		1100	nm	
2.02	Polarization	Random				PM Customizable
2.03	Operation regime	CW				
2.04	Input fiber type	PM DCF10/125 NA:0.08/0.46				
2.05	Output fiber type	PM DCF25/250 NA:0.065/0.46				
2.06	Fiber length	Input fiber length	1.0			m
	Output fiber length	1.0				m
2.07	Signal power handling		10		W	
2.08	Cladding stripping power		10		W	
2.09	Signal insertion loss		0.4		dB	
2.10	Operating temperature range	0		+70	°C	
2.11	Storage temperature range	-40		+85	°C	
2.12	Cooling method	Bottom conduction cooling				

3.0 Mechanical specifications and drawings

Item	Specifications	Unit	Notes
3.01	Module's Dimensions	A = 铝壳封装100*15*11mm	Bottom conduction cooling



4.0 Ordering information

MFA-P00-P05-10-1.0/1.0-A