

7×1 High Power Fiber Beam Combiner

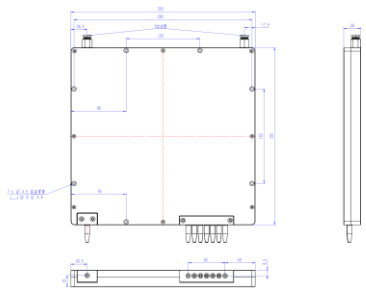
1.0 Description

High Power Fiber Beam Combiner (FBC) is one of the key components to break through the power scaling limitation of a single fiber laser by combing several high power fibers into a single fiber to realize the higher output power.

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	20/400, 0.065/0.46NA					
2.05	Output fiber type	50/70/360, 0.22NA					
2.06	Fiber length	Input fiber length	2.5			m	
		Output fiber length	5.0			m	
2.07	Power handling	3.0			kW	Each port	
2.08	Efficiency	97			%		
2.09	Operating temperature range	0		+70	°C		
2.10	Storage temperature range	-40		+85	°C		
2.11	Cooling method	Direct water cooling					
2.12	M2			5.5		Customizable	
2.13	QBH Cable length		2		m		

3.0 Mechanical specifications and drawings

Item	Specifications	Notes
3.01	Module's Dimensions K = 铝壳封装 300*300mm	Direct water cooling
		

4.0 Ordering information

FBC-7-D17-T00-3.0-2.5/5.0-K -QBH-5.0