

KILOWATT SIGNAL COMBINER (KSC)

Coherent's High-Kilowatt Signal Combiner (KSC) is designed for combining N units of kW class fibre lasers with high efficiency, and feature low thermal slope, appropriate M2 quality. Custom designs and different fibre are also available.



FEATURES

- KW Class Backward Power Handling
- High Power Transfer Efficiency performance
- Proprietary Fibre Tapering Technique
- Customization available

APPLICATIONS

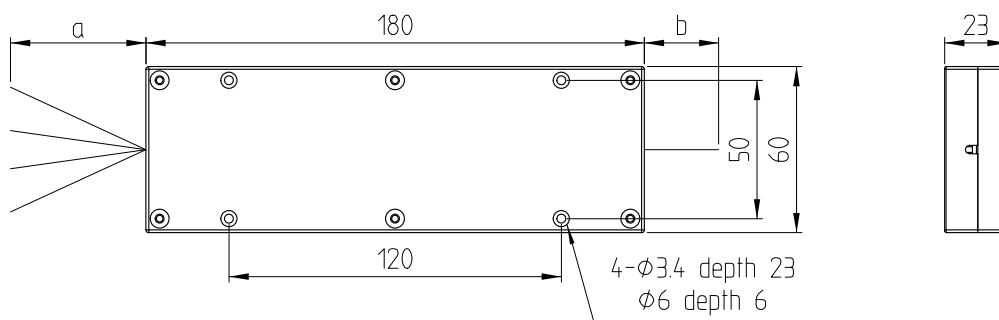
- Multi-kilowatt Fibre Lasers
- Industrial

Specification

No.	Inspection item	Unit	Specification
1	Input Fibre Type		34/130 0.095 NA or 20/130 0.065 NA or 25/250 0.065 NA
2	Output Fibre Type		100/120/360 0.22 NA or 100/140/250 0.15 NA or 100/140/200 0.15 NA, Customer Design
3	Wavelength range	nm	1060 - 1080
4	Typ. Power Transfer Efficiency*	%	97
5	Min. Power Transfer Efficiency*	%	96
6	Max. Combined Power*	W	12000
7	Max. Input Power Handling per Port*	W	3000
8	Max. Backward Power Handling*	W	1500
9	Beam Parameter Product (BPP)	mm mrad	2.5 ~ 5.0
10	M Square Parameter		7.5 ~ 14.5
11	Storage Temperature	°C	-20 to +70

* The power in the core of the fiber.

Mechanical Dimensions



Units: mm