

Fiber to Fiber Coupler

SMA905/ FC (Standard Product)



Features:

- ◆ Easily coupled two fibers
- ◆ With high coupling efficiency

BWT, founded in 2003, is committed to the mission of "let the dream drive the light", the vision of becoming the "Global leader in laser solutions", and the value of "Outstanding innovation", providing diode laser, fiber laser, ultra-fast laser products and solutions to global customers.

The company pursues continuous innovation and insists on autonomous and controllable advanced process and technology. With Beijing headquarters as the core, BWT has successively established production and R&D centers in Jiangsu, Shanghai and Shenzhen, and invested in the construction of intelligent and digital production base in Tianjin. In order to build the world's highest level of technical strength and product quality, BWT set up a German subsidiary in 2020, introducing European quality standards, and taking a solid step for the internationalization of R&D, production and technological innovation.

Up to now, BWT has traded more than 10 million lasers worldwide. BWT's products are available in more than 70 countries and regions, applications involving industry, medical, commercial, scientific research, information and many other fields.

Version number	Change content	Change date
00	First edition	2021.09.17

Fiber to Fiber Coupler

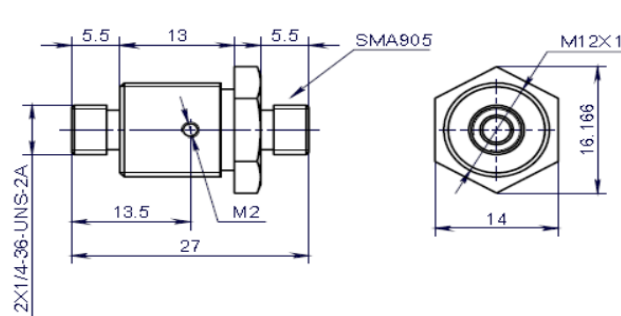
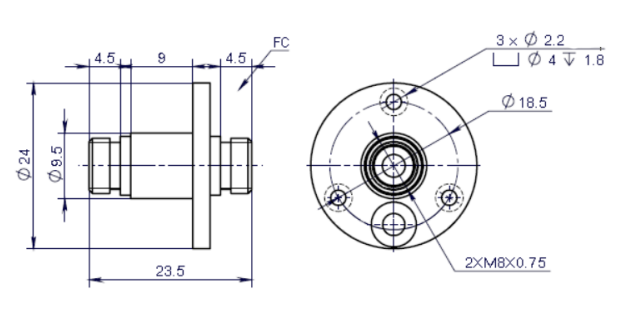
SMA905/ FC (Standard Product)

Specifications	Symbol	Unit	CSM-xxx	CFC-xxx
Housing Material	-	-	Brass, chrome-faced	
Wavelength ⁽¹⁾	λ	nm	600-1000 nm	
Input/Output Fiber Core Diameter	D_{core}	μm	105/200, 200/400	
Coupling Efficiency ⁽²⁾	η	%	> 90 %	
Fiber Connector	-	-	SMA	FC
Maximum Laser Power	P	W	30 W (CW)	15W(CW)
Length	L	mm	L=27±0.1mm	L=23.5±0.1mm

(1) Customized wavelength.

(2) Neglecting fiber reflection losses, $NA (in) \leq NA (out)$.

Package Dimensions (mm)

SMA905 Coupler	FC Coupler
 <p>Technical drawing of SMA905 coupler showing dimensions: 5.5, 13, 5.5, 13.5, 27, 2X1/4-36-UNS-2A, M2, M12X1, 14, 16.166.</p>	 <p>Technical drawing of FC coupler showing dimensions: 4.5, 9, 4.5, 23.5, 24, 9.5, 18.5, 2XMBX0.75, 3 x 2.2, 4 1.8.</p>

OPERATING NOTES

- ◆ Make sure the fiber output end is properly cleaned before operation of laser.



Declaration: information and specifications contained herein are deemed to be reliable and accurate. BWT Beijing reserves the right to change, alter or modify the design and specifications of these products at any time without notice.21-1