

Mode Field Adapter (MFA)



Fig.1
P23: 65x12x7.5mm
Signal power <50W



Fig.2
P25 : 100x12x10mm
Signal power 50-200W level

MFD and NA are very important parameters which define fibers' feature. When we splice two kinds of fiber with different MFD and NA, splice loss will be much higher than that if they are the same. In order to deduce the loss, MFA are developed which can largely optimize splice mode, usually can get a <0.5dB, even <0.3dB loss between different fibers.

From small MFD fiber direction to large MFD fiber direction is defined as F-Forward, large MFD fiber to small MFD is B-Backward.

Features:

- Low Insertion Loss
- Excellent Stability.
- High power handling capability.

Applications:

- Fiber Laser
- High Power Fiber Amplifier

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Specifications				
Input fiber	Output fiber	Working wavelength	Insertion loss	Power handling
x/125 SC or DC	y/125 SC or DC	1020-1080nm	0.3~0.5dB	30W Higher on demand
	y/250 SC or DC			
	y/300 SC or DC			
	y/400 SC or DC			
PM x/125 SC or DC	PM y/125 SC or DC	1020-1080nm	≤0.5dB	
PM x/125 SC or DC	PM y/125 SC or DC			
PM 8/125 SC or DC	PM 25/300 SC or DC			
y/125 SC or DC	x/125 SC or DC	1020-1080nm	≤0.7dB	10-100W
y/250 SC or DC				
x/125 SC or DC	y/125, y/250, y/400 etc	1950-2000nm	≤0.7dB	10-100W

Remark:

- * x, y means different fiber core size, can be 6, 8, 10, 12, 14, 15, 20, 25, 30um etc, x<y.
- * IL and power handling depend on concrete MFA configuration.
- * All products are with LasFiberio logo, for special request, please contact our sales .

Ordering Information:

Please describe your product, like:

Input fiber 10/125, output fiber 20/250, power 10w

and drop us mail to sales@lasfiberio.com for further help.