

# PRODUCT BRIEF

## 100W Fiber Collimator

### Advantages

- 100W Power Handling
- Low Insertion Loss
- High Return Loss
- Long Work Distance
- Flexible and Versatile

### Applications

- Laser Printing
- Laser Marking
- Laser Soldering
- Laser Welding

### Overview

Agiltron's 100W Fiber Collimators are fabricated with Agiltron's proprietary high power handling process and proven advanced micro optics design, it features low insertion loss, large beam size, long work distance and high stability.

Agiltron can provide customized beam size for a wide choice of operating wavelength.



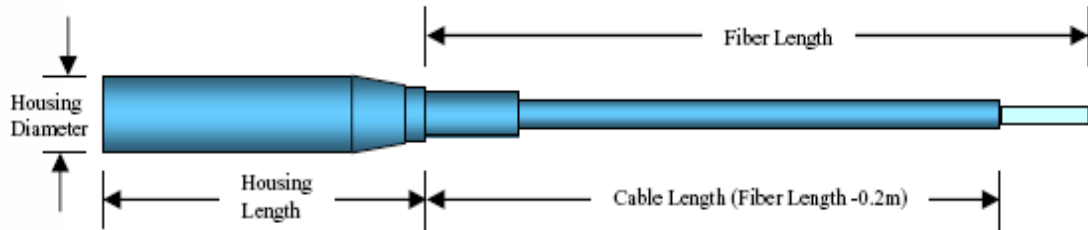
### Performance Specifications

High power collimator	Min	Typical	Max	Unit
Operating Wavelength ( $\lambda_c$ )		180-2000		nm
Power Handling			100	W
Insertion Loss*		0.3	0.4	dB
Return Loss	55			dB
Divergence*		0.2	0.3	mrاد
Beam Roundness	90			%
M <sup>2</sup>			1.1	
Beam Diameter		1,5,10,15		mm
Operating Temperature	0		+70	°C
Storage Temperature	-40		+85	°C

\* The data is based on the beam diameter of 5mm.



## Product Outline



## Ordering Information

HPFC-	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Beam Diameter	Wavelength	Housing	Fiber	Cabling	Fiber Length	Connector
	01=1mm 05=5mm 10=10mm 15=15mm 00=Special	6=633 9=980 1=1064 0=Special	1=Standard 0=Special	1=Single Mode 2=Multimode 0=Special	3=3mm Armor Cable 5=5mm Armor Cable 0=Special	3=3m 5=5m 0=Special	1=None 0=Special



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