High Power Fiber Optic Connector

(patents pending)

Product Description

The High Power Fiber Optic Connector (HPFC) is based on Agiltron proven fiber beam expanded technology and compact packaging structure. It features intrinsic high power handling capacity, low insertion loss, is maintenance free, and is compatible with all existing connectors. The device is ideal for high power optical transmission system and medical and biotech high power delivery applications.

Features

- High Power Handling
- Low Insertion Loss
- High Stability & Reliability
- Low Cost

Applications

- Telecommunications
- CATV
- Medical and Biotech
- Fiberoptic Instrumentation

Performance Specifications

HPFC Series	Typical	Maximum	Unit
Operation Wavelength	400 ~2000		nm
Insertion Loss*	< 0.35		dB
Polarization Dependent Loss	< 0.02	< 0.15	dB
Temperature Sensitivity	< 0.002	<0.004	dB/ °C
Return Loss	> 40		dB
Optical Power Handling		1~5	W**
Beam diameter	10~60		μm
Storage Temperature	-40~85		°C
Connector styles	SC, ST, FC, PC, APC, LC		

* Insertion loss depends on fiber and MFD.

**Continuous operation, for pulse operation please call.

15 Presidential Way, Woburn, MA 01801 Tel:(781)935-1200 Fax:(781)935-2040

www.agiltron.com

Revision: 070-12

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Ordering Information

HPFC-	☐	☐	☐	☐	☐☐	☐	☐	☐
	Model	Wavelength	Grade	Package	Fiber Length	Fiber Type	Cable Type	Connector
	Single mode=1 Multimode= 2 PM=3	480=4 630=6 780=7 850=8 980=9 1060=1 1310=3 1550=5 Special=0	1W=1 2W=2 5W=5 10W=6 20W=7	Simplex=1 Duplex=2 PM=3 Special=0	1m=10 1.5m=15 2m=20 Special=0	RGB400=4 PM480=3 PM630=6 HI 780=7 PM980=9 HI1060=1 SMF28=2 Special=0	Bare fiber=1 900um loose=2 Special=0	None=1 FC/PC=2 FC/APC=3 SC/PC=4 SC/APC=5 ST/PC=6 LC=7 Special=0

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