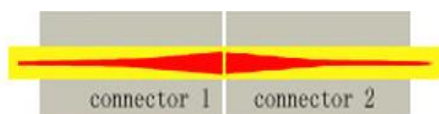


High Power Fiber Optic Patchcord

Product Description

The High Power Fiber Optic Connector (HPFC) has a beam expanded fiber end inside a conventional butt coupling connector, as illustrated below. It is used in pairs between two Agiltron HPFCs, offering high power handling up to 10W in a convenient connector format. Polarization maintain fiber version and cabling option are available. 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



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	5	10	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.

Applications

- Telecommunications
- Defense
- Medical and Biotech
- Instrumentation

High Power Fiber Optic Connector

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"/>
	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

*Product dimensions may change without notice. This is sometimes required for non-standard specifications.