



HT (700°C) high temperature resistant fiber optic connector 1550nm



● Product Description

The connector is a device for detachable connection between optical fibers. The optical fiber is fixed in the ceramic core, and the end face of the ceramic core is precisely ground into a curved surface (UPC) or an angle surface (APC). The end faces of the two ceramic cores are precisely coaxially aligned through an adapter to complete the optical path connection. High temperature (750°C) is usually composed of high temperature optical fiber, such as gold-plated optical fiber, high temperature epoxy resin and optical lens. It is very suitable for high temperature fiber optic sensing system

● Product features

Operating temperature: 500°C, 750°C, 1000°C、 Fiber type: sapphire fiber or gold-plated fiber

● Part Number

MP-HTP-1550-750-10-SA

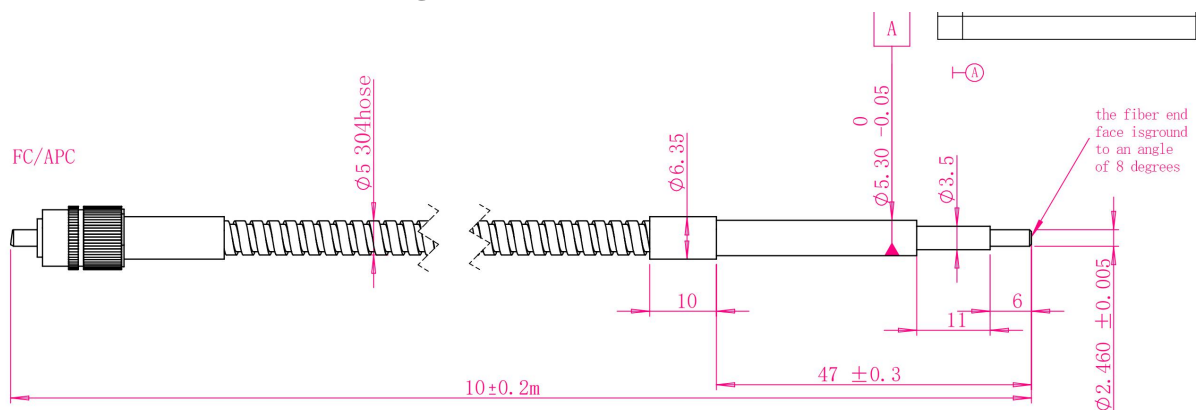
● Application area

High temperature diagnostic test、 Test and measurement instrument、 Channel selection of wavelength locker

● Core parameters

Central wavelength	Temperature tolerance
1550nm	750°C

● Dimension Drawing



● General Parameters

Parameter

Parameter	Min	Typical	Max	Unit
Central wavelength	1280	1550	1700	nm
Total length of high temperature end[1]	-	10	10	cm
Insertion loss		0.2	0.4	dB
Fiber connector type[2]	FC/APC , FC/PC, SMA905 optional			
Fiber length	0.5	1	10 (Length can be customized)	m
Temperature tolerance	500°C、750°C、1000°C(Optical)			°C
Tube type	304mental soft tube($\phi=5\text{mm}$)			
Dimension	Refer to the following size diagram			mm

Note:

1. High temperature resistant end: using high temperature resistant stainless steel metal pins and sleeves, can withstand 600°C high temperature;
2. FC/APC end is made of conventional material, working temperature -40--85°C.



Ordering Information

MP-HTP- □□□□ - ☆ -A8▽ - XX

□□□□: **Central wavelength**

1060: 1060nm

1310: 1310nm

1550: 1550nm

2000: 2000nm

☆ : **Temperature resistance**

500: 500°C

1000: 1000°C

▽: **High temperature resistance length**

05: 5cm

10: 10cm

XX: Fiber and Connector Type

SA=SMF-28E(Single-mode optical fiber of corresponding wavelength band takes

1550nm as an example) + FC/APC

SP=SMF-28E+ FC/PC

PA=PM1550 Fiber+ FC/APC

PP=PM1550 Fiber+ FC/APC