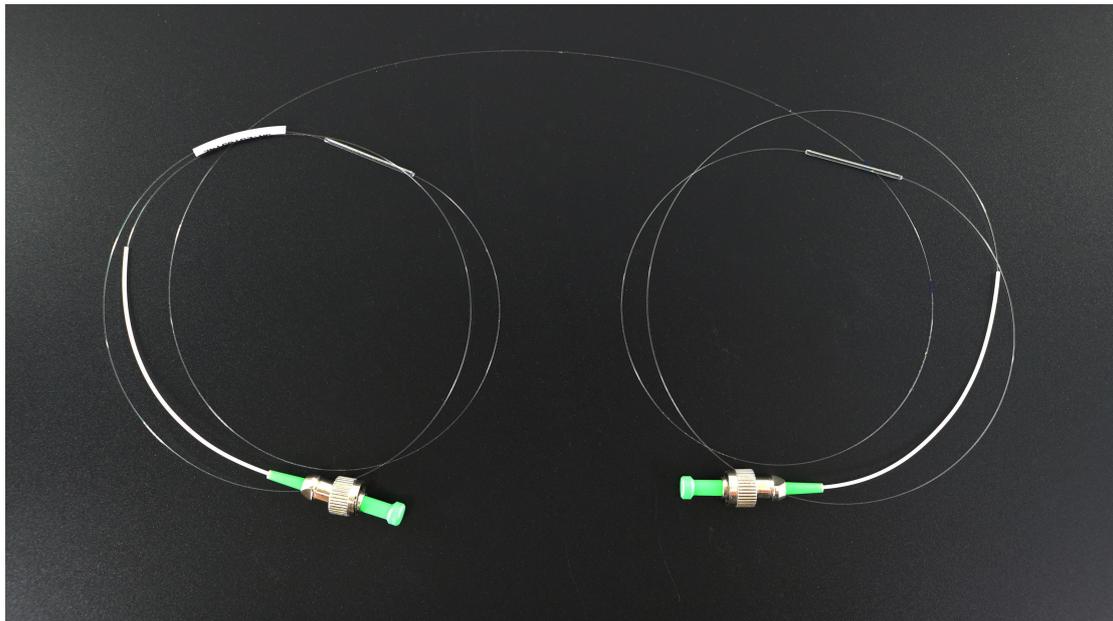


Tilted Fiber Bragg Grating



● Product Description

Tilted fiber Bragg grating is an advanced passive fiber optic device, whose internal refractive index modulation grating plane forms a specific angle (tilt angle) with the fiber axis. TFBG continuously couples the fundamental mode energy transmitted in the core to a series of different order cladding modes through its tilted refractive index modulation structure, while satisfying the phase matching condition.



- **Product features**

Multi mode coupling effect, high refractive index sensitivity, multi parameter synchronous measurement

- **Part Number**

MP-TFBG-1-12

- **Application area**

Biochemical sensing 、 Environmental monitoring 、 Medical diagnosis 、
Industry and energy 、 Communication and optical devices

- **Core parameters**

Core Mode Central Wavelength	Tilt Angle
1520–1600 nm	1°~12°

- **General Parameters**

Parameters



Parameter Type	Unit	Value
Core Mode Central Wavelength	nm	1520–1600 (interval 1)
Cladding Mode Central Wavelength	nm	1470–1550 (interval 1)
Tilt Angle	°	1–12
Cladding Mode Transmission Depth	dB	0.1–30
Grating Length	mm	1–15
Pigtail Length	cm	>20 / >20
Fiber Type	—	Single-mode fiber
Connector Type	—	Bare fiber / SC / FC / LC, etc.

