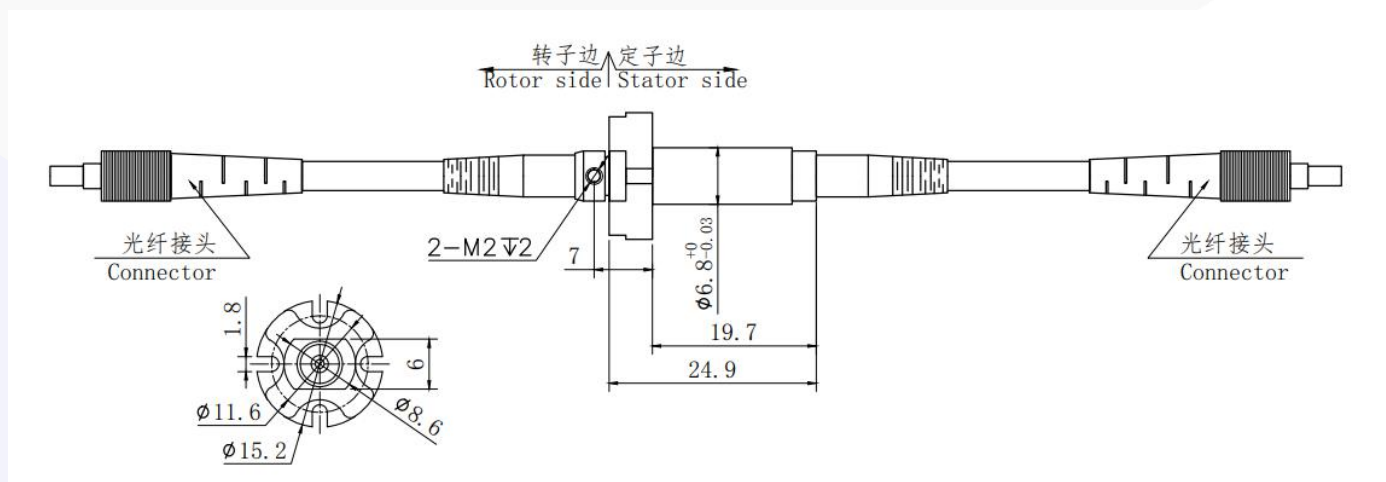


Single channel fiber

GXSS01-01-1310-FC/PC (Single channel ordinary model)



GXSS single-channel fiber optic slip ring has an entry hole diameter of only 6.8mm and a compact structure. It is suitable for installation on products such as drones, artificial intelligence, and monitoring equipment. It has good optical performance and is waterproof and dustproof and easy to install.



GXSS01-01-1310-FC/PC Fiber Parameters	
Fiber Type	9/125(Single mode) (Multi-mode can be customized)
Pigtail	FC/PCConnector, $\varnothing$ 3.0 black armored wire
Line length	1.2m (customizable)
Working wavelength	1310/1550 (SM) (Other wavelengths can be customized)
Insertion loss (room temperature)	$\leq 5\text{dB}$
Insertion loss fluctuation	$\leq 3\text{dB}$
Power handling	$\leq 23\text{dBm}$
Withstand tension	$\leq 12\text{N}$
Speed	0 ~ 1200rpm
Estimated lifespan	> 20 million rpm
Operating temperature	-20°C ~ +60°C
Storage temperature	-45°C ~ +85°C
Protection level	IP54 (Customizable IP65、IP67)

GXSS01-01-1310-FC/PC Customizable parameters include

Number of channels	Fiber Type	Working wavelength	Pigtail parameters
1	9-125 (Single Mode)	1550 1310	Length: 1.2m (standard) Encapsulation: Ø0.9mm、Ø2.0mm、Ø3.0mm、Armor Connector Type: FC/ST/SC/LC/N (without connector) End face form: PC (flat) 、APC (bevel)

GXSD01-01-1310-FC/PC(Single channel long life)

GXSD is an upgraded version of GXSS, which has better optical performance and greatly improves the performance in terms of rotation speed and service life.



GXSD01-01-1310-FC/PC Fiber Parameters	
Fiber Type	9/125(Single mode) (Multi-mode can be customized)
Pigtail	FC/PCConnector, Ø3.0 black armored wire
Line length	1.2m (customizable)
Working wavelength	1310/1550 (SM) (Other wavelengths can be customized)
Insertion loss (room temperature)	≤1.5dB
Insertion loss fluctuation	≤0.7dB
Power handling	≥40dB (SM)
Withstand tension	≤23dBm
Speed	≤12N
Estimated lifespan	0 ~ 2000rpm
Operating temperature	> 200 million rpm
Storage temperature	-20°C ~ +60°C
Protection level	-50°C ~ +85°C
Fiber Type	IP54 (CustomizableIP65、IP67)

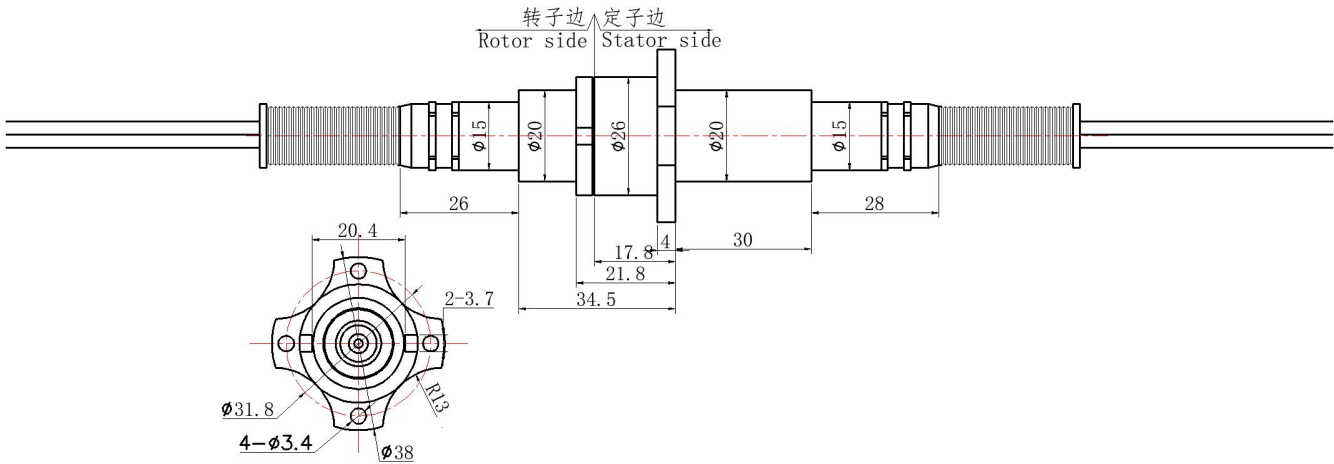
GXSD01-01-1310-FC/PC Customizable parameters include

Number of channels	Fiber Type	Working wavelength	Pigtail parameters
4	9-125 (Single Mode)	1550	Length: 1.2m (standard)
	50/125 (Multimode)	1310	Encapsulation: Ø0.9mm、Ø2.0mm、Ø3.0mm、Armor
	62.5-125 (Multimode)	850	Connector Type: FC/ST/SC/LC/N (No connector) End face form: PC (flat) 、APC (bevel)

Multi-channel fiber

GXMM Series 2-7 Channel Fiber Optic Slip Rings

The GXMM series has better optical performance and can achieve 2-7 fiber channels



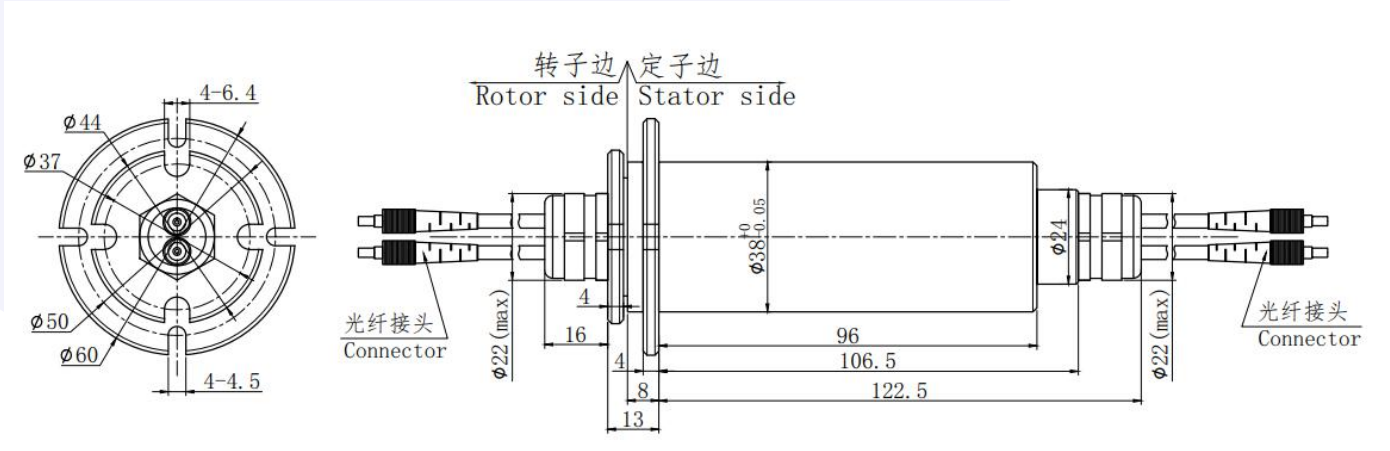
GXMM Series 2-7 Channel Fiber Optic Slip Rings	
Broadband	±50nm
Line length	1.2m (Customizable)
Working wavelength	1310 or 1550 (SM) ;850 or 1310 (MM)
Insertion loss (room temperature)	≤3.5dB
Insertion loss fluctuation	≤1.5dB
Return loss	≥40dB (SM)
Power handling	≤23dBm
Withstand tension	≤12N
Speed	0 ~ 300rpm (Higher speed can be customized)
Estimated lifespan	> 100 million rpm
Operating temperature	-20℃ ~ +60℃
Storage temperature	-45℃ ~ +85℃
Protection level	IP54 (Customizable IP65、IP67)

Customizable parameters

Number of channels	Fiber Type	Working wavelength	Pigtail parameters
2-7	9-125 (Single Mode)	1550	Length: 1.2m (standard) Encapsulation: $\varnothing$ 0.9mm、 $\varnothing$ 2.0mm、 $\varnothing$ 3.0mm、Armor Connector Type: FC/ST/SC/LC/N (No connector) End face form: PC (flat) 、APC (bevel)
	50/125 (Multimode)	1310	
	62.5-125 (Multimode)	850	

GXMMS Series 2-31 Channel Fiber Optic Slip Rings

GXMMS multi-channel fiber optic slip ring can integrate 2~31 optical fibers, and the installation diameter is only 38mm. It has the advantage of small diameter among fiber optic slip rings with more than 8 channels, and is suitable for installation in small spaces. It can be selected as single mode, multimode or single-multimode hybrid and has good optical performance.



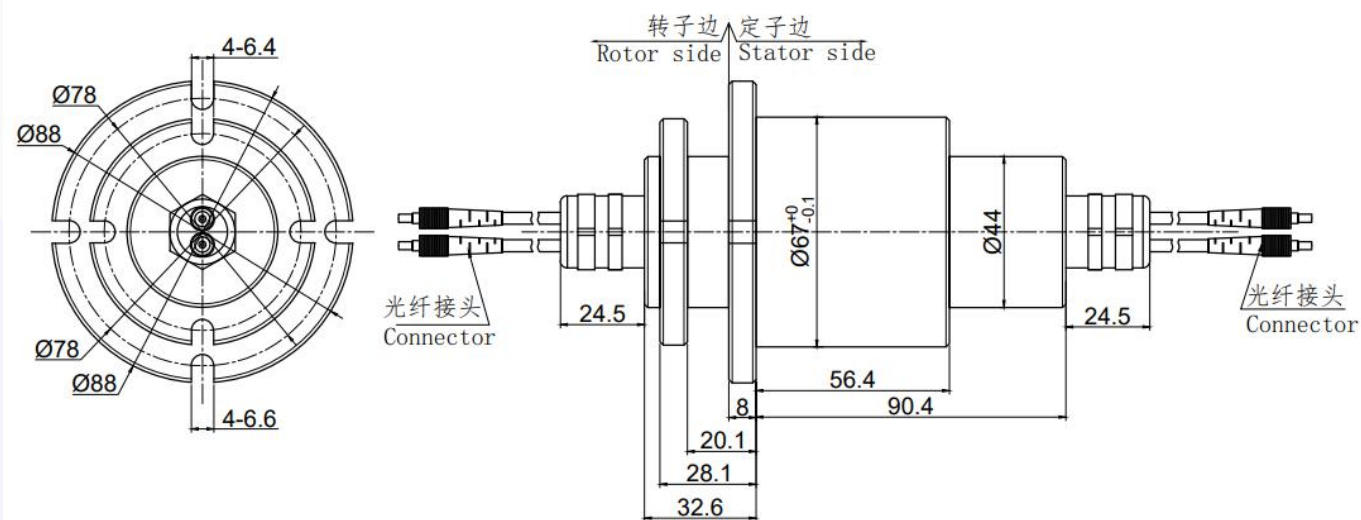
2-31 channel fiber optic slip ring parameters	
Broadband	±50nm
Line length	1.2m (Customizable)
Working wavelength	1310 or 1550 (SM) ;850 or 1310 (MM)
Insertion loss (room temperature)	≤4.0dB
Insertion loss fluctuation	≤2.0dB
Return loss	≥40dB (SM)
Power handling	≤23dBm
Withstand tension	≤12N
Speed	0 ~ 300rpm (Higher speed can be customized)
Estimated lifespan	> 100 million rpm
Operating temperature	-20°C ~ +60°C
Storage temperature	-45°C ~ +85°C
Protection level	IP54 (Customizable IP65、IP67)

Customizable parameters

Number of channels	Fiber Type	Working wavelength	Pigtail parameters
2-31	9-125 (Single Mode)	1550	Length: 1.2m (standard)
	50/125 (Multimode)	1310	Encapsulation: ∅ 0.9mm、∅ 2.0mm、∅ 3.0mm、Armor
	62.5-125 (Multimode)	850	Connector Type: FC/ST/SC/LC/N (No connector) End face form: PC (flat) 、APC (bevel)

GXMA Series 2-31 Channel Fiber Optic Slip Rings

GXMA series multi-channel fiber optic slip rings can integrate 2 to 31 optical fibers, and can be selected as single mode, multimode or single-mode and multimode hybrid and have good optical performance



2-31 channel fiber optic slip ring parameters	
Broadband	±50nm
Line length	1.2m (Customizable)
Working wavelength	1310 or 1550 (SM) ;850 or 1310 (MM)
Insertion loss (room temperature)	≤3.5dB
Insertion loss fluctuation	≤1.5dB
Return loss	≥40dB (SM)
Power handling	≤23dBm
Withstand tension	≤12N
Speed	0 ~ 300rpm (Higher speed can be customized)
Estimated lifespan	> 100 million rpm
Operating temperature	-20℃ ~ +60℃
Storage temperature	-45℃ ~ +85℃
Protection level	IP54 (Customizable IP65、IP67)

Customizable parameters

Number of channels	Fiber Type	Working wavelength	Pigtail parameters
2-31	9-125 (Single Mode)	1550	Length: 1.2m (standard)
	50/125 (Multimode)	1310	Encapsulation: Ø 0.9mm、Ø 2.0mm、Ø 3.0mm、Armor
	62.5-125 (Multimode)	850	Connector Type: FC/ST/SC/LC/N (No connector) End face form: PC (flat) 、APC (bevel)