

MFO100 (1 channel FORJ)

MFO100 slip rings are small and compact FORJ with OD 10.00mm * L 39.00mm, standard, off-the-shelf. It could support 1 channel fiber optics(SM/MM) transmitting on 360° rotating. Single-channel (SM or MM) rotary joints(FORJ) are the most versatile designs the market has ever seen. The rugged body allows fiber pigtail, ST, or FC receptacles on either the rotor side or the stator side. One can configure the package to fit his need exactly. features extremely low insertion loss and impressive return loss performance for both singlemode and multimode fibers. MFO100 are often used with electronic sliprings, call optical-electrical hybrid slipring, transmit power and high speed data.

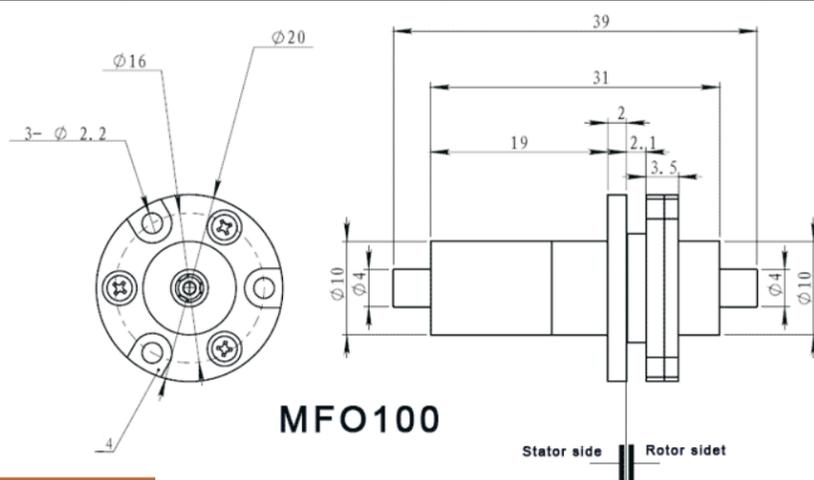


Specifications

PART #	WAVELENGTH	CHANNEL	INSERTION LOSS	LEAD LENGTH	CONNECTORS
MFO100	1310nm~1550nm	1 channel SM/MM	<2.5dB	1000mm	FC

MFO100(1channel FORJ) Specifications

Wavelength	1310nm~1550nm	Insertion loss	<2.5dB (normal: <0.8dB)
Insertion loss ripple	<+/-0.25 dB	Return loss (SM/MM)	>30 dB(RFC/RST)
Maximum speed	2000 R	PM Pressure compensation	1000 psi
Pulling strength.	10N	Start up torque	0.1N/m
Estimated life cycle	300 million	Optical power handling	23 dBm
Working temperature	-40 to 85 °C	Storage temperature	-50 to 85 °C
Package style	Pigtail or receptacles	Housing materia	Stainless steel
Fiber types	Support both SM/MM	Connector	FC
IP rating	IP 68	Weight	50g
Lead length	1000mm		



MFO101 (1 channel FORJ, Most Economical)

MFO101 slip rings are the most economical and newest developed 1 channel fiber optics slip rings, standard, off-the-shelf. It could support 1 channel fiber optics(SM/MM) transmitting on 360° rotating.

Single-channel (SM or MM) rotary joints(FORJ) are the most versatile designs the market has ever seen. The rugged body allows fiber pigtail, ST, or FC receptacles on either the rotor side or the stator side. One can configure the package to fit his need exactly. features extremely low insertion loss and impressive return loss performance for both singlemode and multimode fibers.

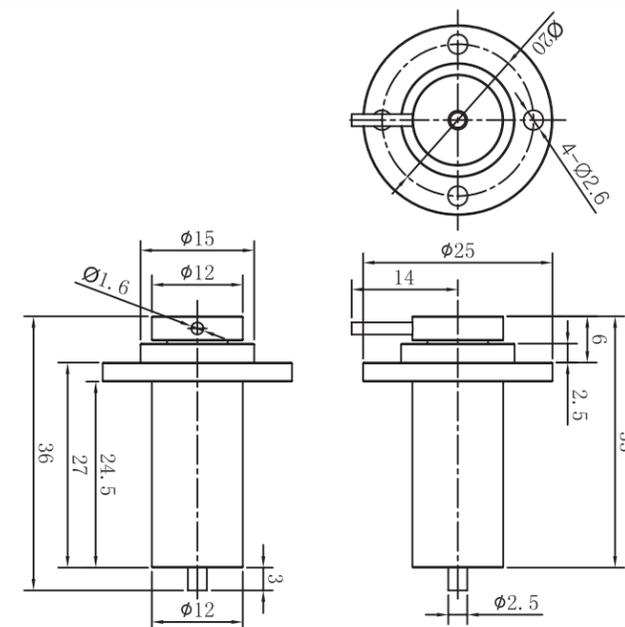


Specifications

PART #	WAVELENGTH	CHANNEL	INSERTION LOSS	LEAD LENGTH	CONNECTORS
MFO101-MM	650~1330nm	1*Multiple-Mode	<2dB	1000mm	FC
MFO101-SM	850~1550nm	1*Single-Mode	<2dB	1000mm	FC

MFO101(1channel FORJ) Specifications

Wavelength	650~1550nm	Insertion loss	<2dB (normal: <0.8dB)
Insertion loss ripple	<+/-0.25 dB	Return loss (SM/MM)	>40 dB(RFC/RST)
Maximum speed	2000 Rpm	Pressure compensation	1000 psi
Pulling strength.	10N	Start up torque	0.1N/m
Estimated life cycle	300 million	Optical power handling	23 dBm
Working temperature	-40 to 85 °C	Storage temperature	-50 to 85 °C
Package style	Pigtail or receptacles	Housing materia	Stainless steel
Fiber types	Support both SM/MM	Connector	FC
IP rating	IP 68	Weight	50g
Lead length	1000mm		



Application

Typical Application

- ▶ between in undersea robot and control ship.
- ▶ between in radar antenna and on-board signal processing system.
- ▶ with the chariot rotating tower car body console.
- ▶ between in welding robot and console.
- ▶ and so on...
- ▶ if you want to use this series slip ring on your mechanism, pls contact us for more application:technical@moflon.com