

MFO200 series

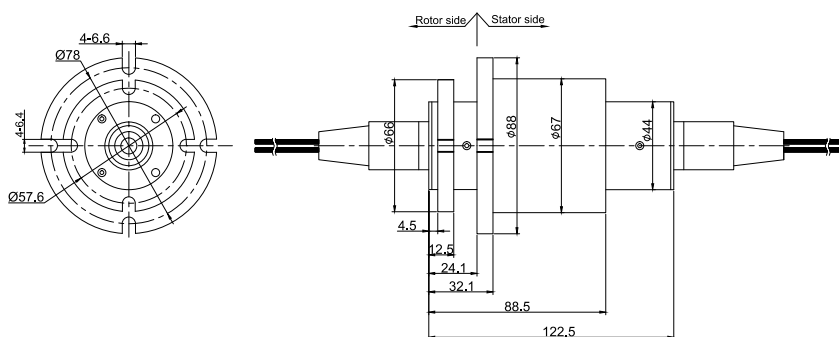
2 Channels (FORJ)Fiber Optic Slip Rings

MFO200 fiber optic slip ring support 2 channels fiber optic(SM/MM). It can perfectly transmit data or 360° rotating. It is also especially suitable for occasion where it needs to transmit large volume data/signal from permanent position to rotation position under unlimited, continuous or discontinuous rotating, which can improve mechanical property, simplify system operation and avoid the rotating or turning joints destroying fiber optics.



Features:

- Low insertion loss, high rotation speed
- Non-contact, zero friction, long working life, single core can achieve one hundred million revolutions
- Small size, light weight, high sealing class
- Fiber optics transmitting signal, no leaks, no electromagnetic interference, long-distance transmission



Part # Explanation

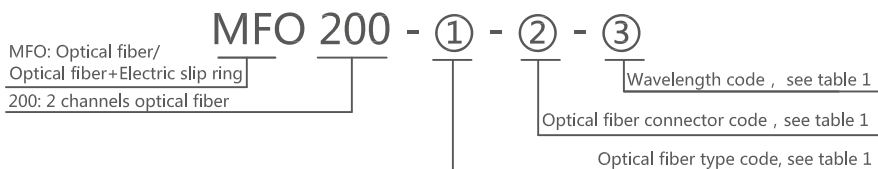


Table 1

| Fiber Type Code | Fiber Connector Code | Wavelength Code |
|-------------------------------|---|-----------------------------|
| 01: 9/125um, Single-mode | FC: FC Connector ST: ST Connector | 01: 1310/1550(Single-mode) |
| 02: 50/125um, Multiple-mode | SC: SC Connector LC: LC Connector | 02: 850/1310(Multiple-mode) |
| 03: 62.5/125um, Multiple-mode | The connector face is PC by default , If APC is needed, APC should be added behind APC, such as FC/APC. | |

Specifications

| Items | Type | Single-Mode | Single-Mode |
|---------------------------|---|-------------|-------------|
| WaveWidth(nm) | | ±50 | |
| Max insert Loss, 23°C(dB) | 4 | | 4 |
| Insert Loss Ripple(dB) | 2 | | 2 |
| Return Loss(dB) | ≥50(APC) ≥40(PC) | | ≥30 |
| Max Power(W) | 0.5 | | |
| Weight(g) | 1.6Kg(Excluding tail cables and connectors) | | |
| Max Rotating Speed(rpm) | 300RPM | | |
| Working Life | > 100 million rpm | | |
| Working Temperature(°C) | -20~60°C (Civil use) -40~85°C (military) | | |
| Storage Temperature(°C) | -50~85°C | | |
| IP68 | IP65 | | |
| Fiber length | 1m | | |