

# BFORJ600 SERIES

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## 6 Channel Fiber Optic Slip Rings

MFO600 fiber optic slip ring support 6 channels fiber optic(SM/MM). It can perfectly transmit data on 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 of turning joints destroying fiber optics.

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### 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
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### Product images

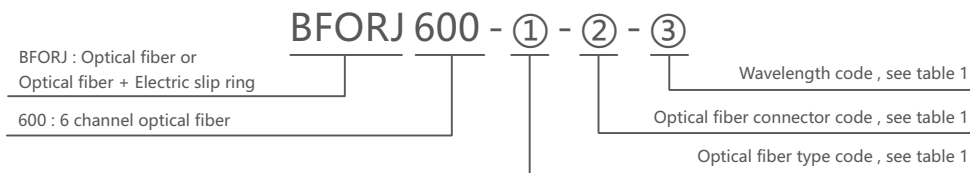


The pictures are for reference only

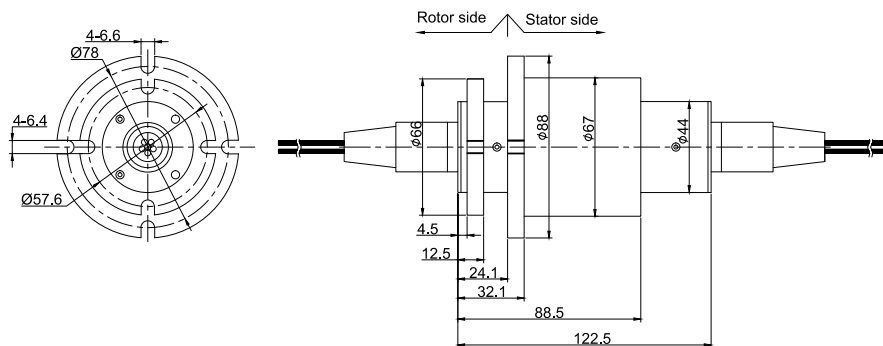
As the signal pathway increases or the combination of light and electricity results in changes in the appearance and size of the product, the actual product shall prevail.

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## Part# Explanation



## Dimensions



**Table 1**

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

## Specifications

| Project                       | Single-mode                                  | Multiple-mode       |
|-------------------------------|--|---------------------|
| Wavelength ( nm )             | ± 50   |                     |
| Max Insert Loss , 23°C ( dB ) | 4  | 4                   |
| Insert Loss Ripple ( dB )     | 2  | 2                   |
| Return Loss ( dB )            | ≥ 50 (APC)    ≥ 40(PC)                       | ≥ 30(PC)            |
| Max Power ( dBm )             | 23   |                     |
| Weight ( g )                  | 1.6Kg (Excluding tail cables and connectors) |                     |
| Max Rotating Speed ( rpm )    | 300  |                     |
| Working Life                  | > 100 million rpm                            |                     |
| Working Temperature ( °C )    | -20~60°C (Civil use)                         | -40~85°C (military) |
| Storage Temperature ( °C )    | -50~85°C                                     |                     |
| protection grade              | IP65   |                     |
| Fiber length                  | 1m   |                     |