FORJ1955

Fiber Optical Rotary Joints

- Provides rotary coupling for multi-mode fiber links
- Wide operating wave length range of wavelength multiplexing
- Completely Bidirectional transmission over single fiber
- Variable in wide range of fiber sizes and pig-tail lengths
- Can be integrated into existing slip-ring design
- Environmentally sealed

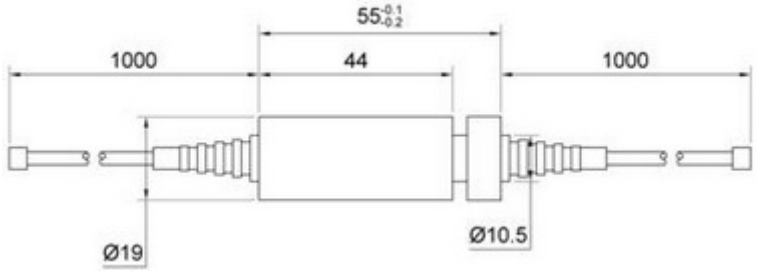
Hangzhou Prosper Electric Co.,Ltd PC：310021
http://www.hzqs.com mailto:sales@ hzqs.com
Address: 1-1,the third jianhua sanjak,gensan east RD,Hangzhou,P.R.China
Tel: 0086-571-85234298 85234297 Fax: 0086-571-85234297

Hangzhou Prosper Electric Co.,Ltd
http://www.hzqs.com mailto:sales@ hzqs.com
Tel: 0086-571-85234298 85234297 Fax: 0086-571-85234297

Description：

FORJ1955 is one type of ruggedized single channel multimode fiber optical rotary joints. These products can be applied on multi-mode system which based on fiber alignment and beam expander technology with low insert loss and low insertion loss ripple. Now it is widely applied in commercial and military field. We can provide varied pig-tails according to customs requirement. The option is included mounting flanges and drive pins. In addition, this type of products can be used in most of usual joints. Please don't hesitate to contact us according to your requirement. CCTV pan/tilt cameras and pedestals.
Application： Cable reel、 Medical system、 Two axis milling machine、 Robotics

Outline dimension：



Note: Modification to the basic design are possible to alter or enhance operating characteristics,

Cosult factory for specific applications. (All dimensions are based on mm)

Fiber data：

Specifications		**Unit**	
Wave Length		830 or 1310nm（customer specified）	
Insert Loss		MAX dB	Typical Variation dB
Fiber Size （μm）	50/125	1.5	0.5
	62.5/125	1.5	0.5
	100/140	1.5	0.5
	200/240	1.5	0.5
Torque		2.0 in-oz	
Side loading		5 pound MAX （Continues）	
Bending Radius		1.0 inch（Mini）	
Sealing		Environmental	
Rotation Rate		0-1000rpm（without seals）	
Operation		-55℃ to +85℃	
Life		200 million revolutions	
Vibration		MIL-STD-202 method 201A simple harmonic motion，0.03inch amplitude,10-55Hz	
Shock		MIL-STD-202 Method 213 Test condition 1，100g，6μms duration， saw tooth waveform	

The operating life of the unit may vary depending upon individual operation parameter, environment, temperature and the other factors.