

FO4698

Low cost fiber optic rotary joint

Description

The FO4698 is a Moog Components Group entry-level single channel fiber optic rotary joint. This part offers good optical loss performance at an affordable price. The unit is very compact in size and features direct ST connection. The unit will work with both multimode and singlemode fibers.

The FO4698 fiber optic rotary joint must be used with ST style fiber optic connectors with ceramic ferrules. Length of the ferrule cannot exceed the dimension shown below. Use of other type and / or length ferrules will degrade performance and could destroy the part.

Features

- Provides rotary coupling for fiber link
- No collimating lens used
- Quick and easy hook-up to ST
- Completely bidirectional



Typical Applications

- Security systems
- Medical systems
- Other clean environments
- Robotics

Fiber Optic Rotary Joints (FORJ)

Specifications

Insertion Loss*	Max. dB	Variation dB
Fiber Size (Microns): 50 / 125	4	2
62.5 / 125	3	1
9 / 125	4	1
Side Loading	1 pound max. (continuous)	
Sealing	None	
Rotation Rate	100 rpm	
Operating Temperature	- 55° C to + 60° C	
Life	One million revolutions	

* Loss values are for Moog Components Group terminated cable assemblies

Notes:

1. Hard mount one side only. **Hard mounting both sides will destroy the bearings.**
2. Modifications to the basic design are possible to alter or enhance operating characteristics. Consult factory for specific applications.

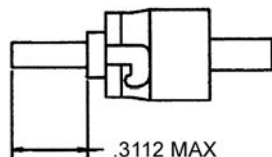
All dimensions are in inches and tolerances are:

.xxx=+.005

.xx=+.01

Application Notice:

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ST Style

