

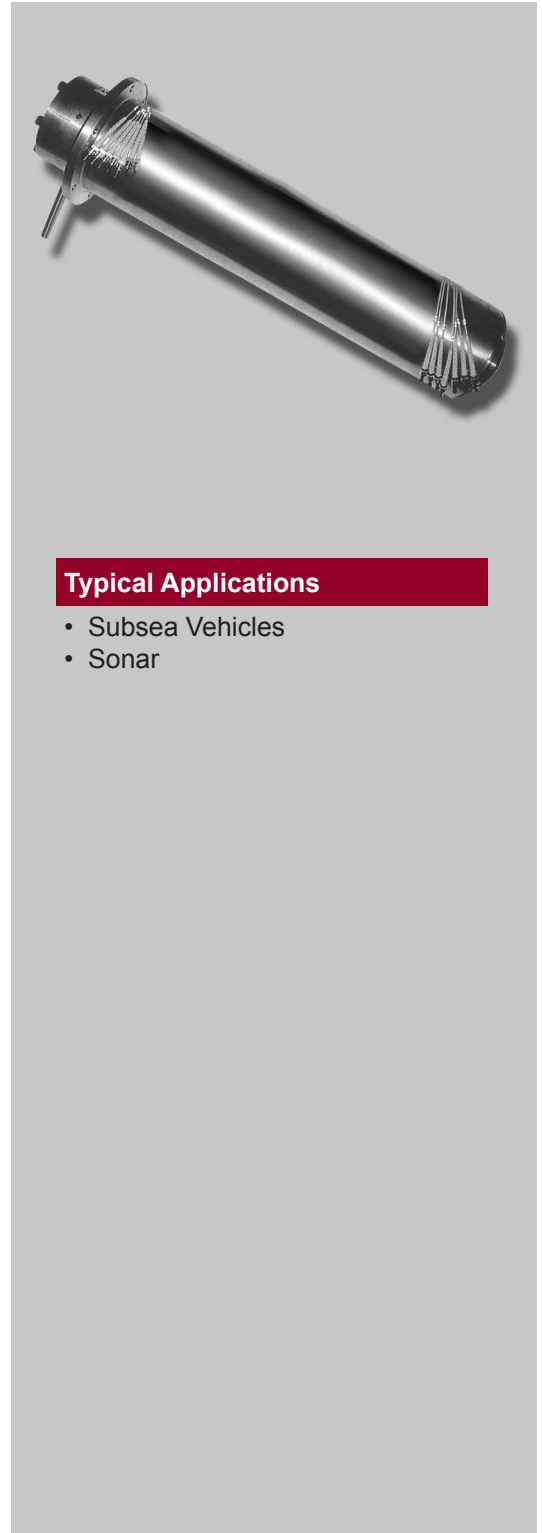
# Fiber Optic Rotary Joints and Slip Rings

## Pressure Compensated 7 Channel Fiber Optic Slip Ring

### Description

The Prizm™ Model CK7206-PC electro-optical slip ring assembly answers the need for an off-the-shelf product using proven high reliability components. The seven channel pressure compensated singlemode fiber optic slip ring is the first of it's kind.

The brush technology used on the power and signal rings allows for extended operating life. Standardized configuration allows Moog to stock slip rings for quick access by customers.



### Typical Applications

- Subsea Vehicles
- Sonar

**PRIZM™**

**MOOG**  
COMPONENTS GROUP

# Fiber Optic Rotary Joints and Slip Rings

## Specifications

Fiber Optic Rotary Joint	
Optical Passes	Seven singlemode or multimode
Dead Spot	None
Direction	Bidirectional
Attenuation	< 6 db for any pass
Variation and Rotation	< 1 db
Power Rings	
Standard Configuration	20 rings
Working Voltage	5,000 volts @ 20 Amps maximum
Electronic Noise	Low (less than 10 milliohms when revolving)
Maintenance Required	No periodic maintenance required
Ring Surface Material	Plated silver
Brush Material	Silver graphite
Single Rings	
Standard Configuration	6 rings (for 3 twisted pair)
Electrical Specification	600 volts @ 10 Amps maximum
Electronic Noise	Low (Less than 10 milliohms when revolving)
Maintenance Required	No periodic maintenance required
Ring Surface Material	Plated silver
Brush Material	Silver graphite
Mechanical Specifications	
Housing Size	5.65 in. (143 mm) diameter by 27 in. (686 mm) long
Weight	110 lbs (27 kg)
Maximum RPM	60 rpm
Material	316 stainless steel
Flange	Industry common bolt pattern

24 / 7 Technical Customer Support  
Hotline: 610-605-6101

Specifications and information are subject to change without prior notice.  
©2009 Moog Inc. MS3008 02/09