

MSDI series(HD-SDI/1080P) slip rings

MOFLON's HD-SDI slip ring solutions have been developed to provide reliable products to allow transfer of the HD-SDI signal through a rotating interface, specially designed for high frequency signal transmission; the frequency could be high to 2.5 GHz.

High performance contact technology

Available with power and signal combinations



MODEL#	OD*LENGTH (MM)	2A/SIGNAL	HD-SDI	MAX SPEED
MSDI212	Φ24.8mm*29.6mm	12 wires	1 channel	150RPM
MSDI216	Φ22.0mm*28.8mm	16 wires	1 channel	150RPM
MSDI224	Φ32.8mm*62.8mm	24 wires	1 channel	150RPM
MSDI230	Φ32.8mm*82mm	30 wires	1 channel	150RPM

Can't find what i want?

If you don't see what you want in MSDI standard series – let us know; we may already have it designed or we will modify a design to meet your requirements. In many cases, 1XHD-SDI could mixed with 10A current, 20A current and signal wires.

For a detailed outline drawing of a specific model number, or to request a quotation, please contact your local sales representative (see our website <http://www.moflon.com/contact.html>) or send an email to sales@moflon.com

MSDI212 Slip Rings

MSDI212 slip rings are HD-SDI small and compact slip rings, with ODΦ24.8mm*L 29.6mm, standard, off-the-shelf, available in stock.

Specially designed for 1080P video transmitting.

Used RG-179, 75 ohms, Frequency rate can reach up to DC-2.3GHz.

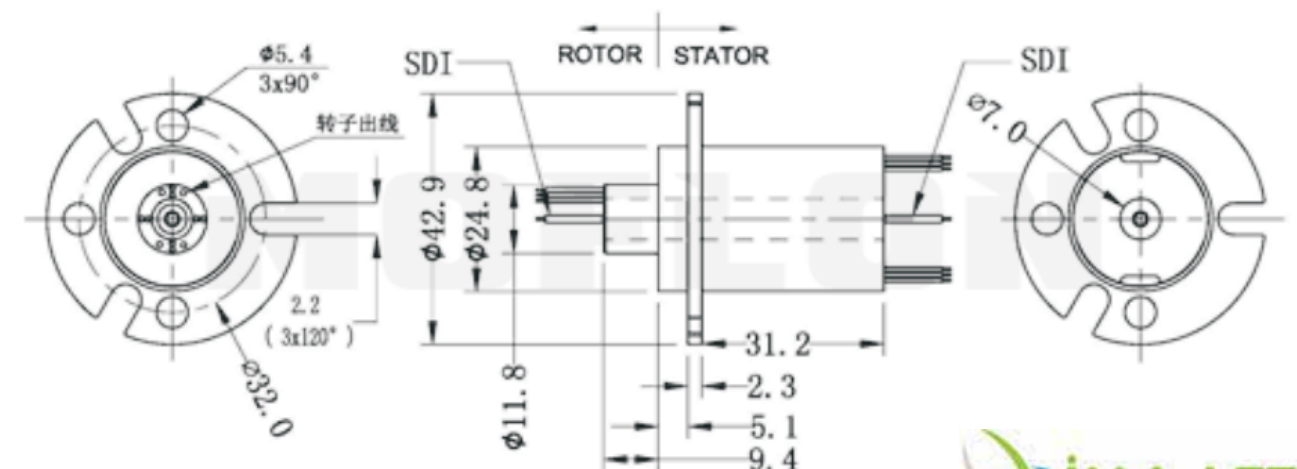


Specifications

PART #	OD * L	HD-SDI	2A/SIGNAL
MSDI212	Φ24.8mm*L 29.6mm	1	12
RF Rotary Joint Specifications			
Frequency rate	DC-2.3GHz	Insertion loss	0.65 dB / 1GHz Max
Insertion loss typical	+/-0.05dB	Return loss	-18 dB / 1GHz Max
In put out put	RG -179/U	Max speed	150RPM
Voltage standing wave ratio	VSWR≤1.3	wave ratio typical	+/-0.05
Working life	200million revolutions	Connector types	BNC / F
Impedance	75 ohms	Rating Current	DC 1A Max
Electrical Specifications			
Rating voltage	240 VDC/VAC	Contact material	Precious Metal: Gold-Gold
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg28
Insulation resistance	1000MΩ@500VDC	Lead Lengths	250mm
Operating Temp.	- 40°C to 80°C	Protection	IP51
Mechanical vibratio	MIL-SID-810E	Humidity	10% to 90% RH
Materials	Lead Free, RoHS compliant	CE Certified	YES

Drawings

Standard drawings:



MSDI212 - MSDI SERIES

Lead wire Color codes

Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	5	YEL	9	GRY
2	BRN	6	GRN	10	WHT
3	RED	7	BLU	11	PINK
4	ORN	8	PURPLE	12	AZURY

Options

- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- Shielded cables
- Connectors

Application

Typical Application

- CCTV Monitoring System.
- Electrical test equipment.
- Medical equipment.
- Rotary table
- Robotics
- Laboratory equipmen
- Manufacturing and process control equipment