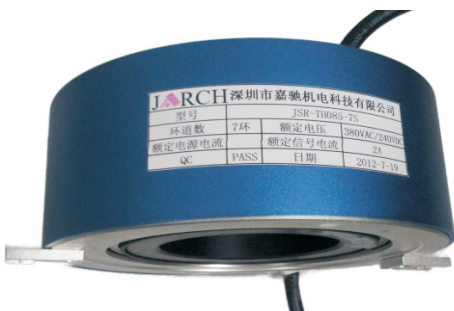


Introduction

Through hole slip ring is designed be used in any any electromechanical system that requires unrestrained,or intermittent while transferring power or data.

The slip ring adopting advanced fiber brush technique to realize multi-point contact and ensure extremely reliable contact at low friction,provide a longer service life-time and free opertion without maintenance or lubricant.



Model	Hole Dia. mm	L (mm)	Outer Dia (mm)	Circuit	Volt AC/DC(V)	Current (a)	Speed (rpm)	Contact Material
JSR-TH012	12.7	Ø26~155	56	2 to48	300	2,5,10,20,30	200~1500	gold/gold
JSR-TH025	25.4	Ø32~248	86	2 to 56	600	2,5,10,20,30	200~1500	gold/gold
JSR-TH030	30.5	Ø32~248	99	2 to56	400	2,5,10,20,30	200~1500	gold/gold
JSR-TH035	35.5	Ø32~248	99	2 to56	400	2,5,10,20,30	200~1500	gold/gold
JSR-TH038	38.1	Ø32~248	99	2 to56	600	2,5,10,20,30	200~1500	gold/gold
JSR-TH050	50.5	Ø52~430	120	2 to100	600	2,5,10,20,30,40	200~1500	gold/gold
JSR-TH060	60.5	Ø32~248	130	2 to100	600	2,5,10,20,30,40,50	200~1500	gold/gold
JSR-TH070	70.5	Ø42~258	140	2 to100	600	2,5,10,20,30,40,50,60,	200~1500	gold/gold
JSR-TH080	80.5	Ø42~258	150	2 to100	600	2,5,10,20,30,40,50,60,	200~1000	gold/gold
JSR-TH090	90.5	Ø48~122	160	2 to100	600	2,5,10,20,30,40,50,60,	200~1000	gold/gold
JSR-TH100	100.5	Ø48~122	185	2 to120	600	2,5,10,20,30,40,50,60,	200~1000	gold/gold
JSR-TH120	120.5	Ø48~122	215	2 to130	600	2,5,10,20,30,40,50,60,	200~1000	gold/gold

Application

- Manufacturing and process control equipment
- Hoisting equipment, Lifting equipment
- Packaging machine, Wrapper machine
- Radar communication equipment
- Medical equipment

- Military aviation equipment
- Automatic door, Revolving door
- Rotating exhibition equipment
- Amusement Rides

Applications

Amusement Rides
Medical equipment
Robotics, Manipulator
Hoisting equipment, Lifting equipment
Manufacturing and process control equipment

Model Description

JSR - TH012 - 6P 30-12S2

TH-Hole
Inner Dia. 12.7 mm

6P30-6rings of power at 30A
12S2-12rings of signal at 2A

Jarch slip rings

Model	L(mm)	Power	Signal	Rings
JSR-TH012-2S2	33.7		2-2A	2
JSR-TH012-2P10	35.7	2-10A		2
JSR-TH012-2P20	37.7	2-20A		2
JSR-TH012-6P15-2S3	58.9	6-15A	2-3A	6
JSR-TH012-10P20-8S5	88.9	10-20A	8-5A	10
JSR-TH012-6P30	60.5	6-30A		6
JSR-TH012-10P10-32S3	67.9	10-10A	32-3A	42
JSR-TH012-48S2	134.9		48-2A	48
JSR-TH012-16P10-32S2	227.0	16-10A	32-2A	48
JSR-TH012-6P20-48S3	255.0	6-20A	48-3A	54

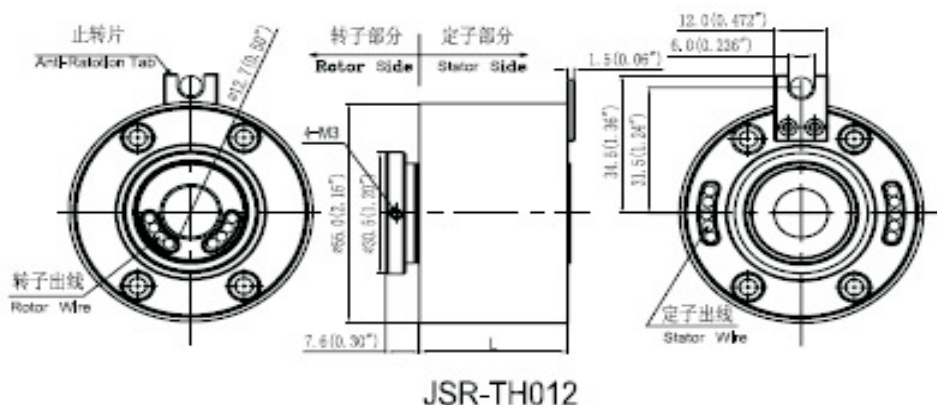
Electric Data

Item	Specification	
	Power	Signal
Voltage	0~600VAC	0~240VAC
Current	10A,15A,20A,30A or Customized	0.5A~5A
Insulation Resistance	>1000MΩ/500VDC	
Lead type	tining wires,PTFE or PVC insulated	silver plated,PTFE
Dielectric strength	500VAC@50Hz,60S	
Strength Lead Length	500MM(OR length on request)	
Dynamic contact Resistance	<0.01 Ω	

Mechanical Data

Specification	Unit
Operating Speed	1000~1500rpm continuous
Contact Material	Gold
Bearing	steel ball bearing
Housing Material	Aluminum
Temperature range	-40℃ to 80℃
IP	IP 51~IP65

outer Diameter should be 120mm when circuits > 48;Max.98 channels available on request ;IP65,IP68,are optional ;flange mounting is optional.



Applications

Amusement Rides

Medical equipment

Robotics, Manipulator

Hoisting equipment, Lifting equipment

Manufacturing and process control equipment

Model Description

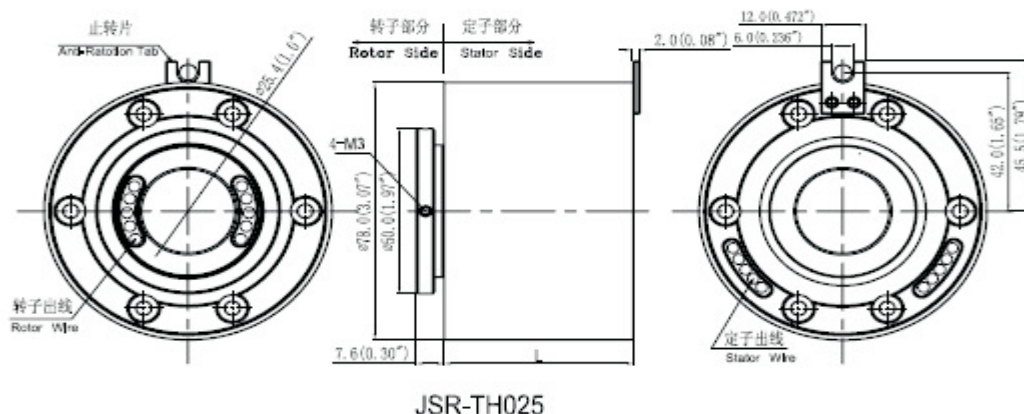
Electric Data

Item	Specification	
	Power	Signal
Voltage	0~600VAC	0~240VAC
Current	10A,15A,20A,30A or Customized	0. 5A~5A
Insulation Resistance	>1000MΩ/500VDC	
Lead type	tinny wires,PTFE or PVC insulated	silver plated,PTFE
Dielectric strength	500VAC@50Hz,60S	
Strength Lead Length	500MM(OR length on request)	
Dynamic contact Resistance	<0.01 Ω	

Mechanical Data

Specification	Unit
Operating Speed	100~1500rpm continuous
Contact Material	Gold
Bearing	steel ball bearing
Housing Material	Aluminum
Temperature range	-40℃ to 80℃
IP	IP 51~IP65

outer Diameter should be 120mm when circuits > 48;Max.98 channels available on request ;IP65,IP68,are optional ;flange mounting is optional.



Applications

Amusement Rides
Medical equipment
Robotics, Manipulator
Hoisting equipment, Lifting equipment
Manufacturing and process control equipment

Model Description

JSR-TH038-6P30-12S2

TH-Hole

Inner Dia. 38.1mm

6P30-6rings of power at 30A

12S2-12rings of signal at 2A

Jarch slip rings

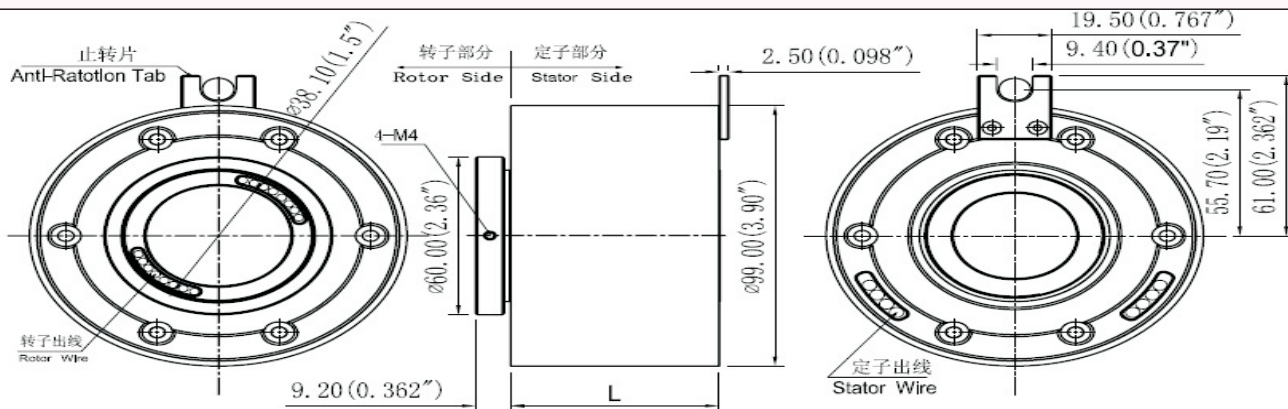
Electric Data

Item	Specification	
	Power	Signal
Voltage	0~600VAC	0~240VAC
Current	10A, 15A, 20A, 30A or Customized	0.5A~5A
Insulation Resistance	>1000MΩ/500VDC	
Lead type	tining wires, PTFE or PVC insulated	silver plated, PTFE
Dielectric strength	500VAC@50Hz, 60S	
Strength Lead Length	500MM(OR length on request)	
Dynamic contact Resistance	<0.01 Ω	

Mechanical Data

Specification	Unit
Operating Speed	100~1500rpm continuous
Contact Material	Gold
Bearing	steel ball bearing
Housing Material	Aluminum
Temperature range	-40℃ to 80℃
IP	IP 51~IP65

outer Diameter should be 120mm when circuits > 48; Max. 98 channels available on request ; IP65, IP68, are optional ; flange mounting is optional.



JSR-TH038

Applications

Amusement Rides
Medical equipment
Robotics, Manipulator
Hoisting equipment, Lifting equipment
Manufacturing and process control equipment

Model Description

JSR - TH050 - 6P 30-12S2

TH-Hole
Inner Dia. 50.5 mm

6P30-6rings of power at 30A
12S2-12rings of signal at 2A

Jarch slip rings

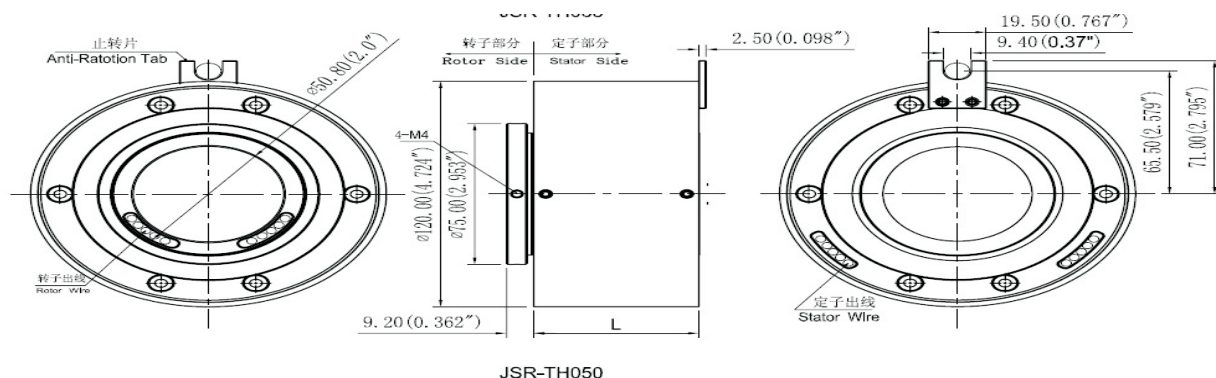
Electric Data

Item	Specification	
	Power	Signal
Voltage	0~600VAC	0~240VAC
Current	10A, 15A, 20A, 30A or Customized	0.5A~5A
Insulation Resistance	>1000MΩ/500VDC	>500MΩ/500VDC
Lead type	tinng wires,PTFE or PVC insulated	silver plated,PTFE
Dielectric strength	500VAC@50Hz,60S	
Strength Lead Length	500MM(OR length on request)	
Dynamic contact Resistance	Ω <0.01	

Mechanical Data

Specification	Unit
Operating Speed	100-1200rpm continuous
Contact Material	Gold
Bearing	steel ball bearing
Housing Material	Aluminum
Temperature range	-40℃ to 80℃
IP	IP 51 -IP 65

outer Diameter should be 130mm when circuits > 48;Max. 120 channels available on request ;IP65,IP68,are optional ;flange mounting is optional.



Applications

Amusement Rides
Medical equipment
Robotics, Manipulator
Hoisting equipment, Lifting equipment
Manufacturing and process control equipment

Model Description

JSR - TH060 - 6P 30-12S2

TH-Hole
Inner Dia. 60.5 mm

6P30-6rings of power at 30A
12S2-12rings of signal at 2A

Jarch slip rings

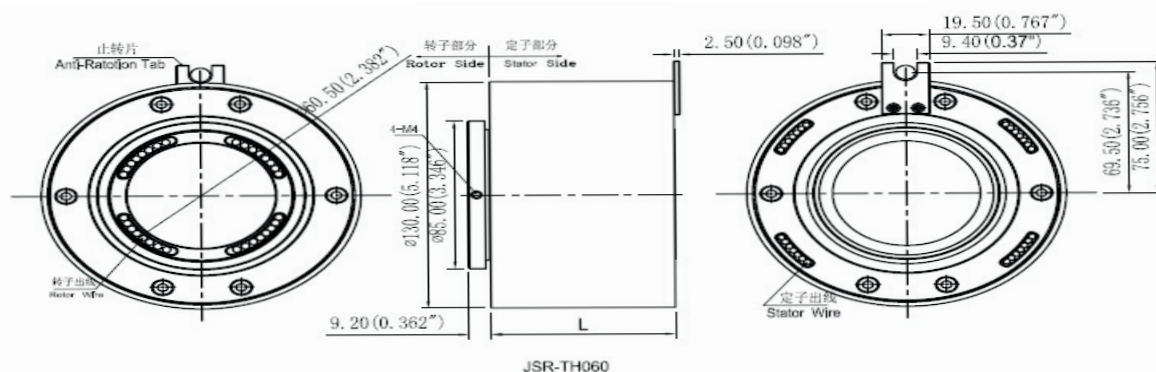
Electric Data

Item	Specification	
	Power	Signal
Voltage	0~600VAC	0~240VAC
Current	10A, 15A, 20A, 30A or Customized	0.5A~5A
Insulation Resistance	>1000MΩ/500VDC	
Lead type	Power: tinning wires ,PTFE or PVC insulated Signal: silver plated,PTFE or PVC insulated	
Dielectric strength	500VAC@50Hz,60S	
Strength Lead Length	500MM(OR length on request)	
Dynamic contact Resistance	Ω <0.01	

Mechanical Data

Specification	Unit
Operating Speed	100-1200rpm continuous
Contact Material	Gold
Bearing	steel ball bearing
Housing Material	Aluminum
Temperature range	-40℃ to 80℃
IP	IP 51 -IP 65

Outer Diameter should be 130mm when circuits > 48;Max.156 channels available on request ;IP65,IP68,are optional ;flange mounting is optional.



Applications

Amusement Rides
Medical equipment
Robotics, Manipulator
Hoisting equipment, Lifting equipment
Manufacturing and process control equipment

Type Instruction

JSR - TH070 - 6P 30-12S2

TH-Hole
Inner Dia. 70.5mm

6P30-6rings of power at 30A
12S2-12rings of signal at 2A

Jarch slip rings

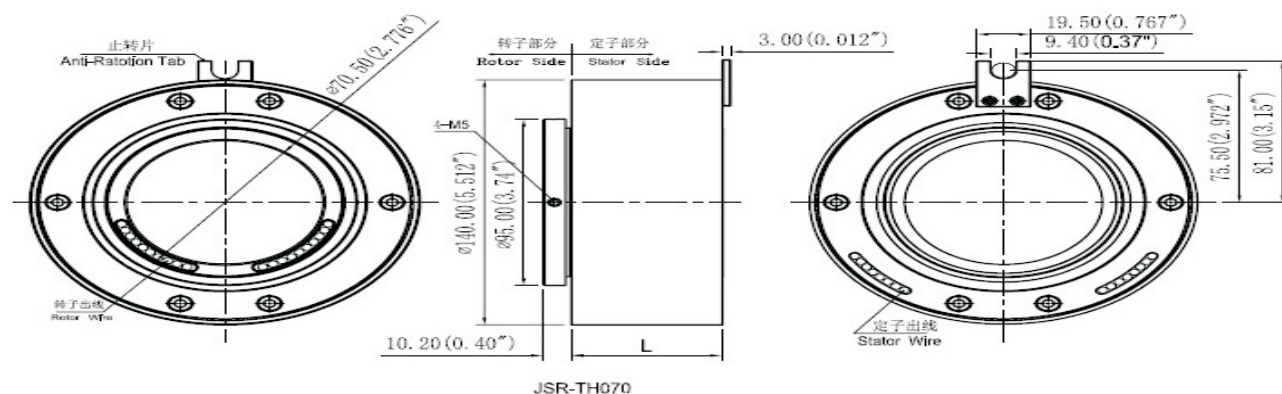
Electric Data

Item	Specification	
	Power	Signal
Voltage	0~600VAC	0~240VAC
Current	10A,15A,20A,30A or Customized	0.5A~5A
Insulation Resistance	>1000MQ/500VDC	
Lead type	tining wires,PTFE or PVC insulated	silver plated,PTFE
Dielectric strength	500VAC@50Hz,60S	
Strength Lead Length	500MM(OR length on request)	
Dynamic Contact Resistance	$\Omega < 0.01$	

Mechanical Data

Specification	Unit
Operating Speed	100-1000rpm continuous
Contact Material	Gold
Bearing	steel ball bearing
Housing Material	Aluminum
Temperature range	-40℃ to 80℃
Ifeatures	All closed

outer Diameter should be 150mm when circuits > 48;Max.156 channels available on request ;IP65,IP68,are optional ;flange mounting is optional.



Applications

Amusement Rides
Medical equipment
Robotics, Manipulator
Hoisting equipment, Lifting equipment
Manufacturing and process control equipment

Type Instruction

JSR - TH0100 - 6P 30-12S2

TH-Hole

Inner Dia. 100.5 mm

6P30-6rings of power at 30A

12S2-12rings of signal at 2A

Jarch slip rings

Model	L(mm)	P	S	Rings
JSR-TH100-2S2	60.2		2-2	2
JSR-TH100-2P10	60.2	2-10		2
JSR-TH100-2P20	65.2	2-20		2
JSR-TH100-6P15-2S3	85.2	6-15	2-3	8
JSR-TH100-10P20-8S5	125.2	10-20	8-5	18
JSR-TH100-6P30	90.2	6-30		6
JSR-TH100-10P10-32S3	105.2	10-10	32-3	42
JSR-TH100-48S2	150.2		48-2	48
JSR-TH100-16P10-72S2	225.2	16-10	72-2	88
JSR-TH100-6P20-98S3	260	6-20	98-3	104

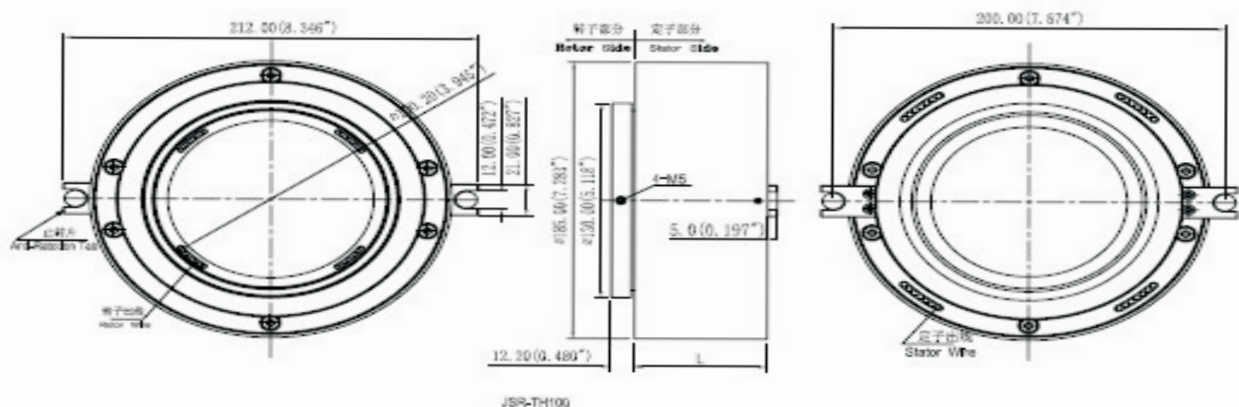
Electric Data

Item	Specification	
	Power	Signal
Voltage	0~600VAC	0~240VAC
Current	10A,15A,20A,30A or Customized	0.5A~5A
Insulation Resistance	>1000MΩ/500VDC	
Lead type	tinny wires,PTFE or PVC insulated	silver plated,PTFE
Dielectric strength	500VAC@50Hz,60S	
Strength Lead Length	500MM(OR length on request)	
Dynamic contact Resistance	<0.01 Ω	

Mechanical Data

Specification	Unit
Operating Speed	100-1000rpm continuous
Contact Material	Gold
working temperature	-20℃~+80℃
Housing Material	Aluminum
Temperature range	-40℃ to 80℃
Protection level	IP51

outer Diameter should be 205mm when circuits > 48;Max.240 channels available on request ;IP65,IP68,are optional ;flange mounting is optional.





Construction&Function

The JARCH rotating electrical connectors are using the special insulation, sealings, and conductive technologies. The out case material is the aluminum alloy or stainless steel.

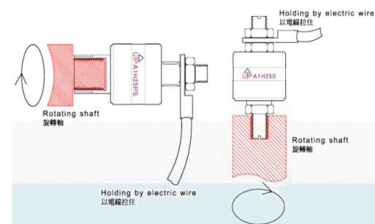
Application

- Rotary stage
- Wind Turbines
- Cable wheel
- Electro plating line
- power connection
- Package machine
- Speed dome camera
- Index table for signal and
- Circle knitting machine
- Resistors cutting machine

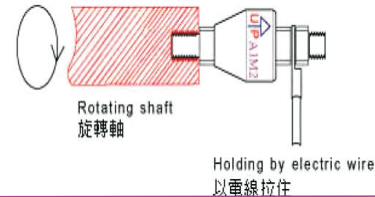
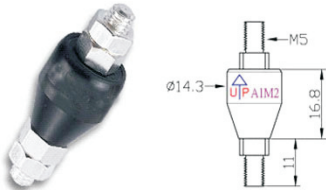
Specification

Model	Poles	Current (A)	AC/DC (V)	MHZ	Contact Resistance	Max rpm	Max/Min °C	(x10-3Nm)	Insulation Resistance
JSR-MS-A1H25S	1	250		200	<1mΩ	1200	60/-29	400	>250MΩ
JSR-MS-A1M2	1	20		200	<1mΩ	2000	60/-10	35	>250MΩ
JSR-MS-A2H	2	30	500	200	<1mΩ	1800	60/-29	200	>250MΩ
JSR-MS-A2S	2	4	500	200	<1mΩ	2000	60/-10	35	>250MΩ
JSR-MS-A3H	3	30	500	200	<1mΩ	1200	60/-10	400	>250MΩ
JSR-MS-A3S	3	4	500	200	<1mΩ	1800	60/-10	100	>250MΩ
JSR-MS-A6H	6	30	500	200	<1mΩ	300	60/-10	700	>250MΩ
JSR-MS-A8H	8	30	500	200	<1mΩ	200	60/-10	1000	>250MΩ

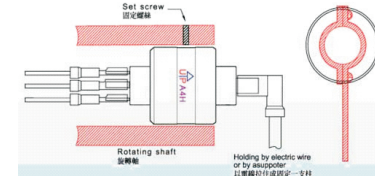
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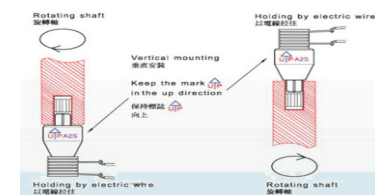
JSR-MS-A1M2



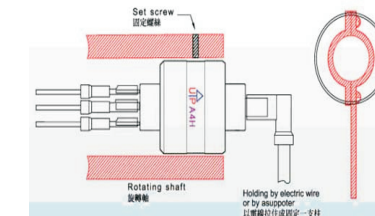
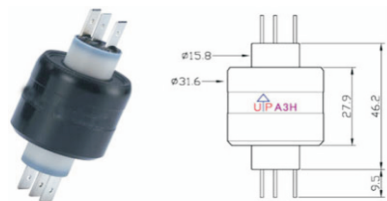
JSR-MS-A2H



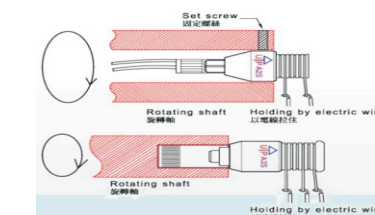
JSR-MS-A2S



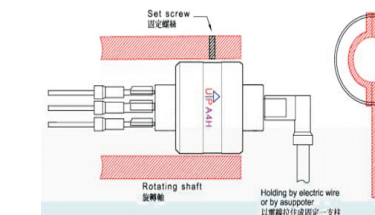
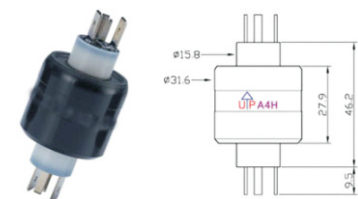
JSR-MS-A3H



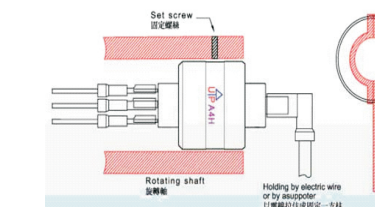
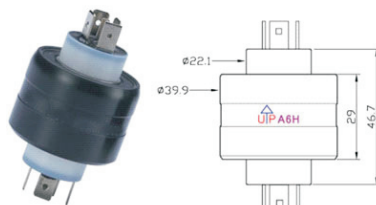
JSR-MS-A3S



JSR-MS-A4H



JSR-MS-A6H





SRHF-xxA series of high frequency COAX Rotary Joints with flange connection is ingenious and designed highly-precision. Introducing domestic and foreign advanced technique and technology, the SRHF series joints is compatible with the protocol of data bus, operating smoothly, low torque, small differential loss and the frequency can be high up to 3GHz. It is low VSWR and small loss, especially designed for meeting the demands of military systems engineering and precision measurement equipment, with a good signal processing function,

Model	Channel	Frequency Range (GHZ)	Insertion Loss (dB)	Peak Power (KW)	VSWR	Connector
JSR-HF-01	1-channel	DC...3GHz	<0.5dB	3.3	<2.0	SMA
JSR-HF-02	2-channel	0...26.5GHz	<0.55dB	3.0	<1.7	SMA
JSR-HF-03	3-channels	0...4GHz	<1.5dB	3.0	<2.5	SMA
JSR-HF-04	4-channels	0...12GHz	<1.5dB	0.001	<2.0	SMA
JSR-HF-05	5-channel	DC...4GHz	<0.1dB	50	<1.12	7/8" EIA
JSR-HF-06	6-channel	3.0...3.4GHz	<0.1dB	50	<1.06	7-16

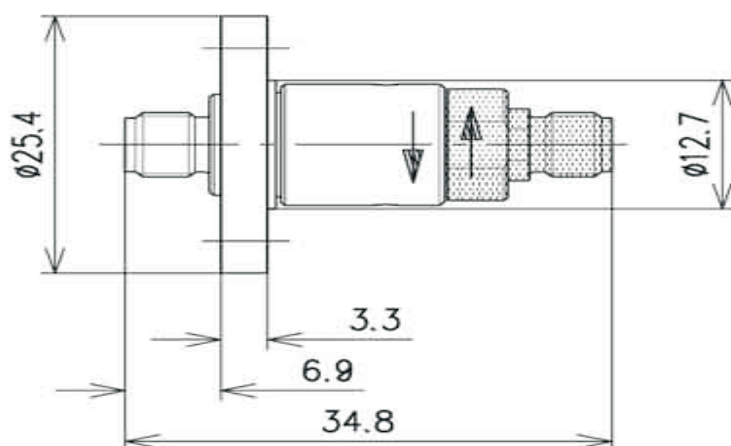
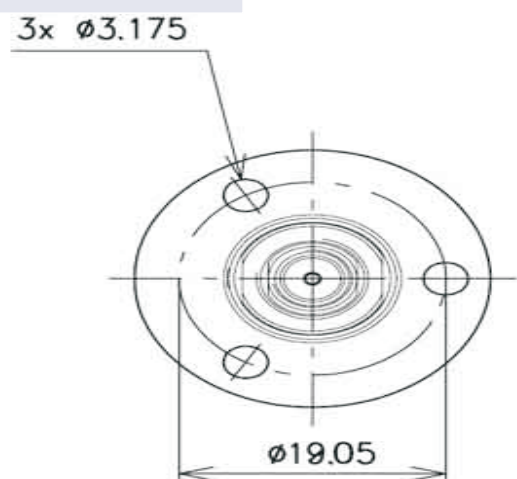
Application

- Military equipment
- Precision measurement equipment
- Electrical testing equipment
- Robotics, Manipulator
- Medical equipment
- Military weapon system
- Radar communication equipment
- Network communication equipment
- TV/Imaging Equipment
- Rotating exhibition equipment
- Military aviation equipment

Specification

Circuits	Single circuit
Frequency Range (Ghz)	18~26.5GHz
Peak Power (kW)	3.0kW
Average Power	500W
VSWR (18~26.5GHz)	≤ 1.7
VSWR-WOW	≤ 0.05
Insertion Loss (dB)	$\leq 0.55\text{dB}$
Insertion Loss - WOW(dB)	≤ 0.1
Phase- WOW	$\leq 1^\circ$
Connection	SMA Socket

Outline size



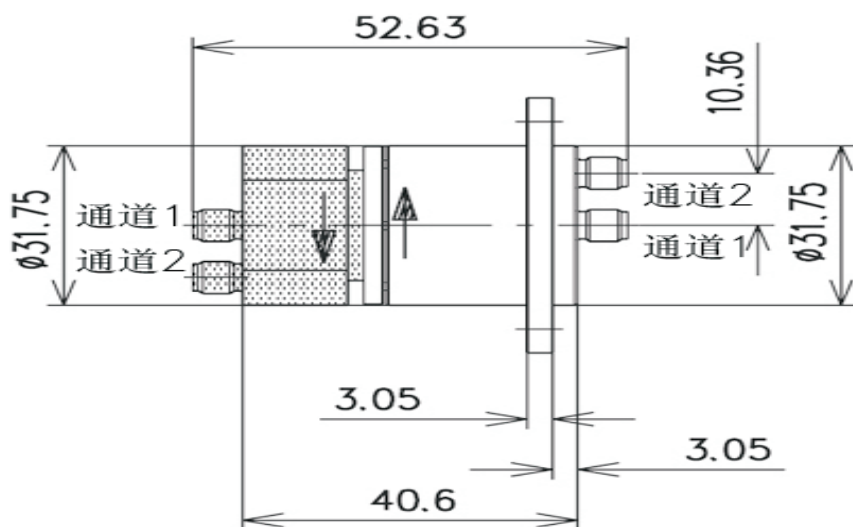
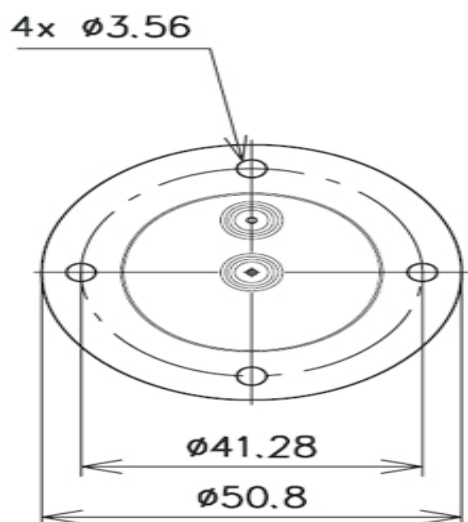
Application

- Military equipment
- Precision measurement equipment
- Electrical testing equipment
- Robotics, Manipulator
- Medical equipment
- Military weapon system
- Radar communication equipment
- Network communication equipment
- TV/Imaging Equipment
- Rotating exhibition equipment
- Military aviation equipment

Specification

Circuits	2 Circuits
Frequency Range (Ghz)	0...26.5GHz
Peak Power (kW)	3.0kW
Average Power	500W
VSWR (18~26.5GHz)	≤ 1.7
VSWR-WOW	≤ 0.05
Insertion Loss (dB)	$\leq 0.55\text{dB}$
Insertion Loss - WOW(dB)	≤ 0.1
Phase- WOW	$\leq 1^\circ$
Connection	SMA Socket

Outline size



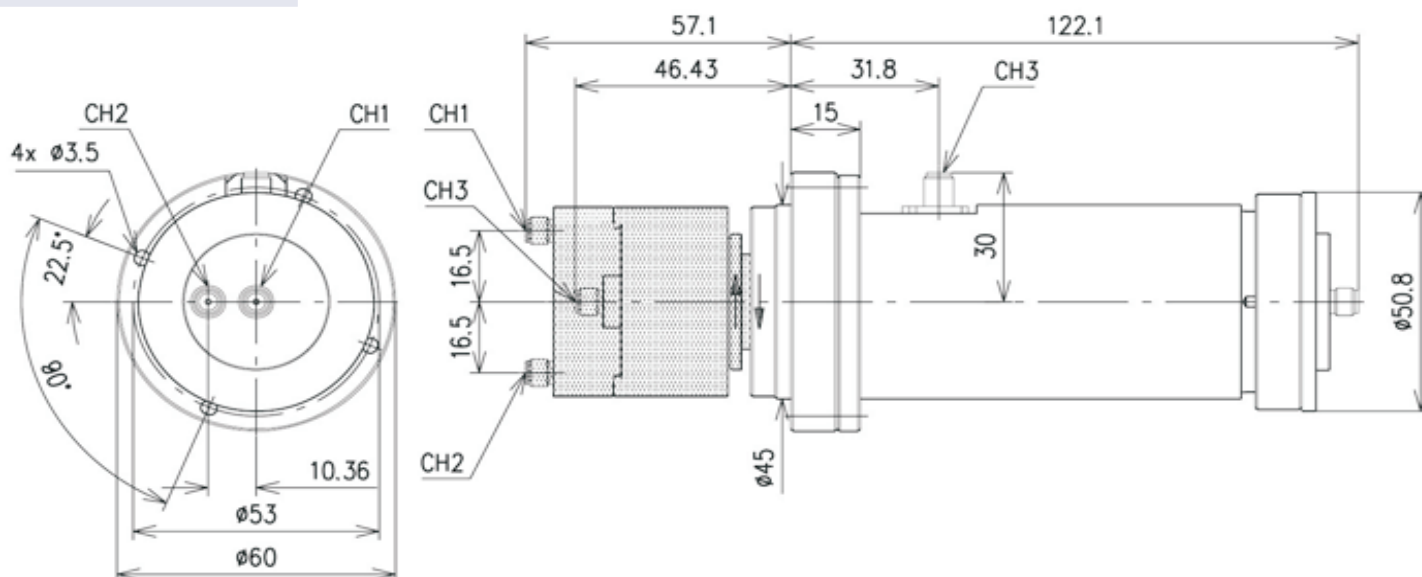
Application

- Military equipment
- Precision measurement equipment
- Electrical testing equipment
- Robotics, Manipulator
- Medical equipment
- Military weapon system
- Radar communication equipment
- Network communication equipment
- TV/Imaging Equipment
- Rotating exhibition equipment
- Military aviation equipment

Specification

Circuits	3 Circuits
Frequency Range (Ghz)	0...26.5GHz
Peak Power (kW)	3.0kW
Average Power	500W
VSWR (18~26.5GHz)	≤ 1.7
VSWR-WOW	≤ 0.05
Insertion Loss (dB)	$\leq 0.55\text{dB}$
Insertion Loss - WOW(dB)	≤ 0.1
Phase- WOW	$\leq 1^\circ$
Connection	SMA Socket

Outline size



Application

- Military equipment
- Precision measurement equipment
- Electrical testing equipment
- Robotics, Manipulator
- Medical equipment
- Military weapon system
- Radar communication equipment
- Network communication equipment
- TV/Imaging Equipment
- Rotating exhibition equipment
- Military aviation equipment

Specification

Circuits	4 circuit
Frequency Range (Ghz)	0...26.5GHz
Peak Power (kW)	3.0kW
Average Power	500W
VSWR (18~26.5GHz)	≤ 1.7
VSWR-WOW	≤ 0.05
Insertion Loss (dB)	$\leq 0.55\text{dB}$
Insertion Loss - WOW(dB)	≤ 0.1
Phase- WOW	$\leq 1^\circ$
Connection	SMA Socket

Outline size

