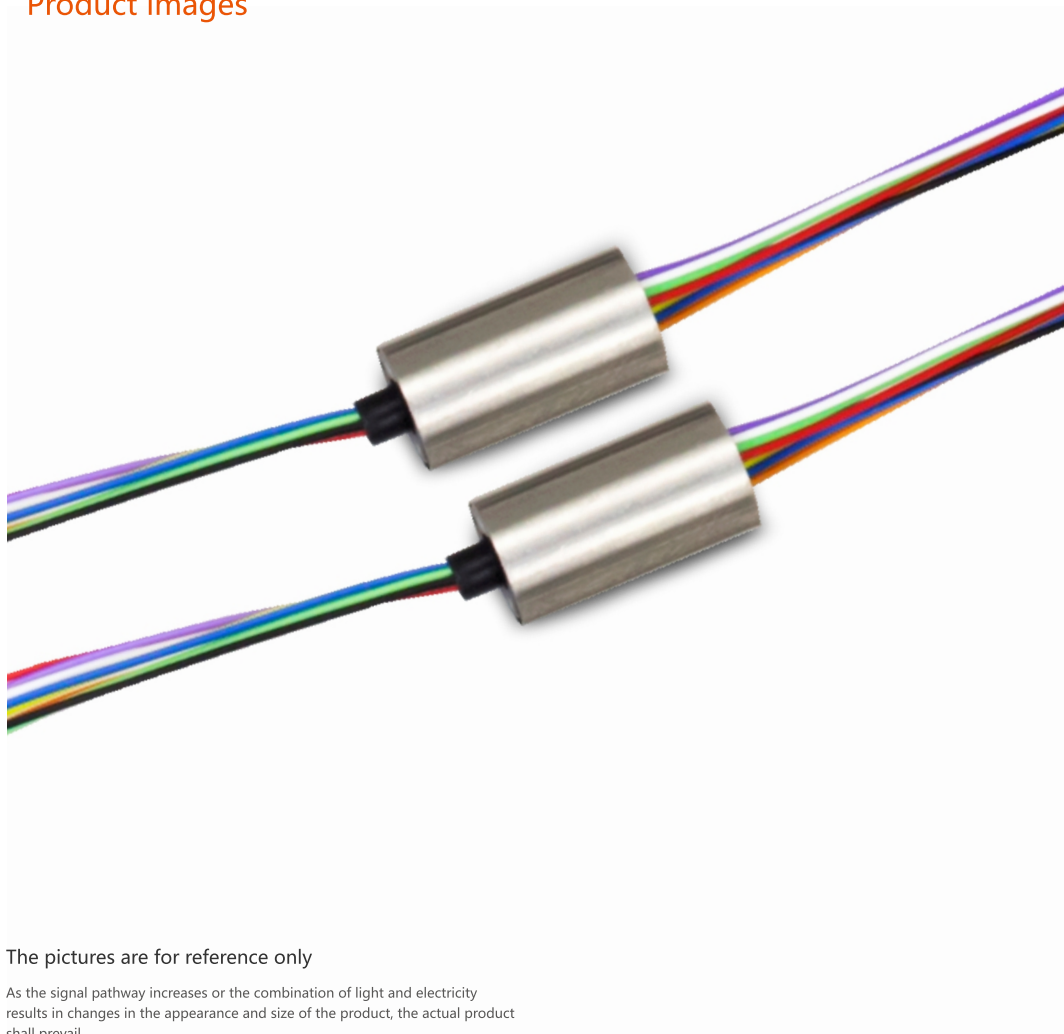


BBS119 MINIATURE CAPSULE SLIP RINGS

OD 6.5mm 2~8 Circuits

BBS119 slip rings are small and compact with OD 6.5mm * L 11.9mm, standard, off-the-shelf. Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. Using a 90° V-groove ring design for each ring. BBS1199 is the high-end version corresponding to BBS119, It has higher performance and longer working life, higher speed rotating speed, low noise.

Product images



The pictures are for reference only

As the signal pathway increases or the combination of light and electricity results in changes in the appearance and size of the product, the actual product shall prevail.

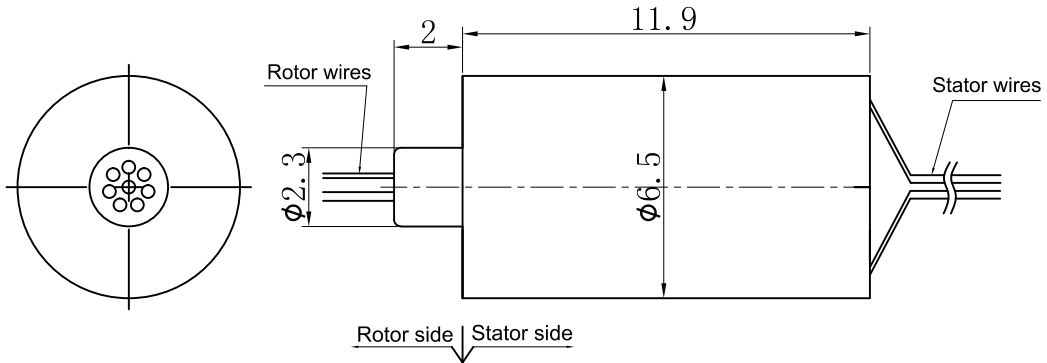
Part# Explanation

BBS 118(9)

BBS:miniature capsule slip ring

119:common quality version
1199:high-end quality version

Dimensions



Electrical Data

Parameter	Power Value	Signal Value
Rated Voltage	0~120VAC/VDC	0~120VAC/VDC
Insulation Resistance	$\geq 100\text{M}\Omega/150\text{VDC}$	$\geq 100\text{M}\Omega/150\text{VDC}$
Lead Wires	AWG#32 teflon	AWG#32 teflon
Lead Length	Standard 300mm(adjustable)	
Electrical Noise	$< 0.01\Omega$	

Mechanical Data

Parameter	Value
Working Life	See Product Quality Level Table
Rotating Speed	See Product Quality Level Table
Working Temperature	-30°C~80°C
Operating Humidity	0~85% RH
Contact Material	See Product Quality Level Table
Housing Material	See Product Quality Level Table
Torque	0.005N.m; +0.02N.m/6rings
Protection Grade	IP51

BBS119 Series Parts# List

Part#	Signal/1A	Total Wires
BBS119-S02	4	4
BBS119-S04	6	6
BBS119-S06	8	8

Note:N channels 1A rings parallel can be used as 1 channel $N \times 1\text{A}$ current. For example: 2 rings 1A parallel could be used as 1 wires 2A ,please contact sales for special requirements

Product Quality Level Table

Part#	Max Speed	Working Life	Housing Material	Electrical Noise①@10RPM
BBS119	250RPM	>10 million	Plastics	10mΩ
BBS1199	1000RPM	>20 million	Plastics	4mΩ

Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8
Color	BLK	RED	Ylk	GRN	BLU	WHT	ORG	PUR

Options for custom slip ring

- BBS01199 is the high-end version corresponding to BBS119.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.