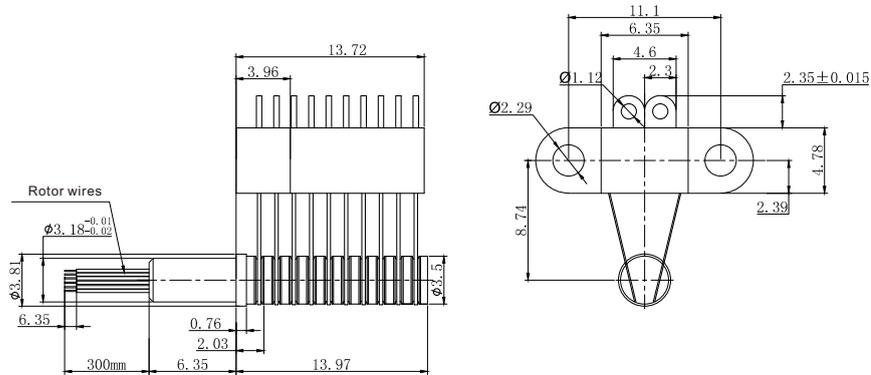


# MSP110AC Separated Slip Rings

## 10 rings\*2A

MSP110AC separated slip ring is a type of minitype slip rings. It adopts a separated rotor and contact brushes combination, supporting 10 wires for signal or 2A. The exiting wires in stator and rotor are correspondingly 10 colored wires, it can simplify the electrical connection. The 90-degree angle V-groove design has the characteristics of smooth rotation, low torque and low electrical noise, which can exceed ordinary slip ring products.



MSP1109 is the highest-end version of MSP110AC, which is used for military, aerospace, etc., differences as below

Parts#	Max working speed	Working life	Torque	Electrical noise①@10Rpm
MSP110AC	250RPM	20 million	0.02 N•m	10mΩ
MSP1109	1000RPM	100 million	0.005 N•m	4mΩ

### Part# Explanation

MSP110AC Part# Explanation		
Parts#	Signal or 2A	Products Level
MSP110AC	10	Common quality
MSP1109	8	High-end quality

Note: N channels 2A rings parallel can be used as 1 channel N\*2A current. For example: 2 rings 2A parallel could be used as 1 wires 4A

### Specifications

Electrical Data			Mechanical Data	
Parameter	Value		Parameter	Value
	Power	Signal		
Rated Voltage	0~120VAC/VDC	0~120VAC/VDC	Working Temperature	-30°C~80°C
Insulation Resistance	≥150MΩ/220VDC	≥150MΩ/220VDC	Operating Humidity	0~85% RH
Lead Wires	AWG32#Teflon	AWG32#Teflon	Contact Material	Gold-Gold
Lead Length	Standard 300mm ( adjustable )		Torque	IP51
Dielectric Strength	500VAC@50Hz , 60s			
Electrical Noise	<0.01Ω			

### Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10
Code	BN	RED	ORG	YLW	GRN	BLU	VT	GY	WHI	BLK