

BP210 SERIES PANCAKE SLIP RING

BP210 pancake slip ring has a thickness of 20mm, through bore size is 12.7mm, all aluminum alloy structure, using precious metal contact material and gold-plated processing. It can transmit stable signal and power with small resistance fluctuations.

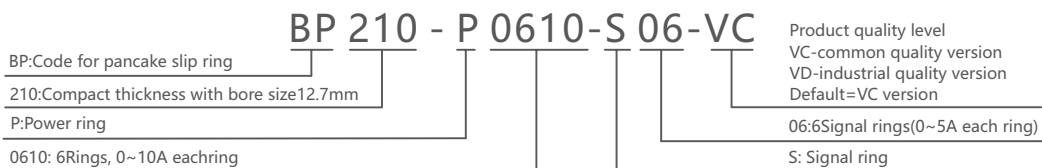
Designed for min thickness requirements, when thickness is limitative but diameter is no limitative.



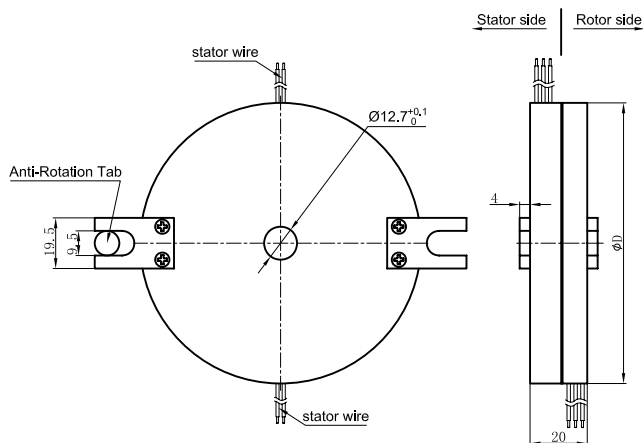
The pictures are for reference only

If there are changes in the appearance and size of the product, the actual product should prevail.

Part# Explanation



Dimensions



BP210 Series Pancake Slip Ring

Parts#	Signal(5A)	10A	20A	OD(mm)
BP210-S02	2	0	0	76
BP210-P0210	0	2	0	76
BP210-P0210-S02	2	2	0	92
BP210-P0410	0	4	0	90
BP210-S06	6	0	0	108
BP210-S06	0	6	0	108
BP210-P0410-S02	2	4	6	108
BP210-P0210-S04	4	2	0	108
BP210-S12	12	0	0	156
BP210-P1210	0	12	0	156
BP210-P1220	0	0	12	156
BP210-P0610-S06	6	6	0	156
BP210-P0620-S06	6	0	6	156
BP210-S18	18	0	0	204
BP210-P1810	0	18	0	204
BP210-P1210-S12	12	6	0	204
BP210-P1210-S06	6	12	0	204

Parts#	Signal(5A)	10A	20A	OD(mm)
BP210-P0810-S10	10	8	0	204
BP210-S24	24	0	0	252
BP210-P2410	0	24	0	252
BP210-P0610-S08	18	6	0	252
BP210-P1210-S12	12	12	0	252

Note:1) N channels 10A rings parallel can be used as 1 channel N*10A current. For example: 2 rings 10A parallel could be used as 1 wires 20A
2) Through bore size, total circuits and current can be customized, please contact sales for more details.

Mechanical Data

Project	Numerical 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	aluminium alloy
Torque	0.1N.m; +0.03N.m/6rings
Protection Grade	IP51

Electrical Data

Project	Power	Signal
Rated Voltage	0~220VAC/VDC	0~220VAC/VDC
Insulation Resistance	≥1000MΩ/240VDC	≥1000MΩ/240VDC
Lead Wire	AWG18#Teflon	AWG24#Teflon
Lead Length	Standard 300mm (adjustable)	
Dielectric Strength	100VAC@50Hz, 60s	
Electrical Noise	<0.01Ω	

Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	60RPM	3 Million Revs	Precious Metal
VD	200RPM	10 Million Revs	Gold-plated

Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10	11	12
Color	BLK	RED	YEL	GRN	BLU	WHT	BLK	RED	YEL	GRN	BLU	WHT

Note: 6 wires for 1 group color, from 7-12, repeat the same color as 1...6, indicated with number code pipe.