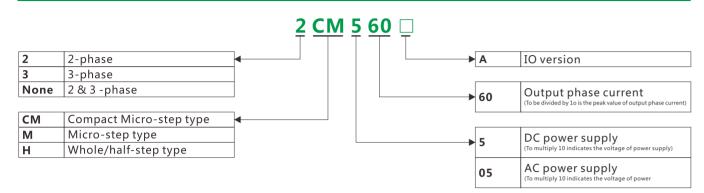
# **Typical Wiring Diagram**

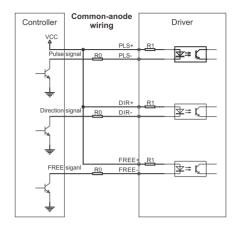
### Denomination rules of stepper driver

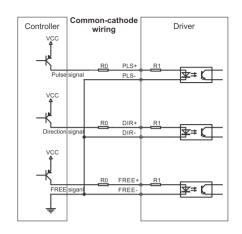


# Model list of stepper driver

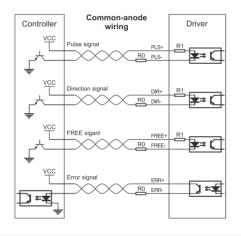
Series No.	Phase	Model	Peak current	Voltage	Subdivision	<b>Weight</b> (Kg)	<b>Dimension</b> (mm)
	2-phase	2CM525	0.3 ~ 2.5A	24 ~ 50VDC	200 ~ 25600	0.25	
	2-phase	2CM545	1.0 ~ 4.5A	24 ~ 50VDC	200 ~ 25600	0.25	118×75.5×25.4
	2-phase	2CM560	1.8 ~ 6A	24 ~ 50VDC	200 ~ 25600	0.25	110^/3.3^23.4
CM Series	2-phase	2CM860	1.8 ~ 6A	24 ~ 70VDC	200 ~ 25600	0.25	
	2-phase	2CM880	2.4 ~ 8A	24 ~ 70VDC	200 ~ 25600	0.253	118×75.5×34
	3-phase	3CM880	2.4 ~ 8A	24 ~ 70VDC	400 ~ 25600	0.253	110.75.5.54
	2&3-phase	СМ	0.15 ~ 8A	24 ~ 70VDC	200 ~ 65535	0.29	108×75.5×34

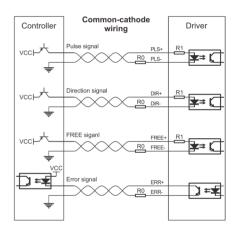
# 1. General Connection Mode of Control Signal





# 2. Twisted-pair Connection Mode of Control Signal

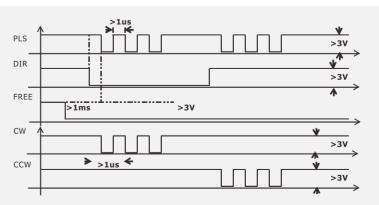




Note: 1. For 2CM525、2CM545、2CM560、2CM860、2CM880、3CM880、CM880A、2H1160、FM860, there is no need to connect 2K ohm resistor in the wiring, R0=0;

2. For 2M412、2M1180N、2M2280N、3M2280N, 2K ohm resistor is required to be connected serially, R0=2K ohm.

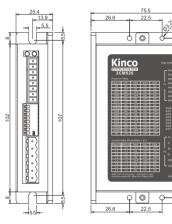
## 3. Signal control sequence





- Support parameter self-adaptive function, generate optimal parameters according to motor type, ensure motor run at optimal performance;
- · Phase memory function;
- · Automatic half-current function, selected by DIP switches;
- Test running function, selected by DIP switches;
- Over voltage protection, over current protection functions;
- Micro-step filter function can smooth input pulse to reduce transient motion of motor, make sure motor run more smoothly;
- Opto-isolation ERR signal output with max. current of 100mA;
- Opto-isolation 5-24V pulse input, responding frequency up 400KHz;
- 15 subdivision levels and 8 current levels are selectable by DIP switches;
- Pulse type is selectable by DIP switches: PUL+DIR&CW/CCW.

### Mechanical Dimensions (Unit:mm)



75.5 26.6 22.5	1
	,
Kinco Custas	110
26.6 22.5	M4 Ground

#### Function of DIP switches

Function	DIP setting	Description		
PLS+DIR	SW6,SW7=ON; Others=OFF	Set DIP switches according to functions required when		
CW/CCW	SW7,SW8=ON; Others=OFF	power off. Power on driver, RUN LED blinking in green, ERR LED is red. It means		
Micro-step smooth & dynamic filter disable	SW5,SW6=ON; Others=OFF	settings take effect. Then power off driver, reset		
Micro-step smooth filter enable	SW5,SW7=ON; Others=OFF	subdivision and current for normal use.		
Micro-step dynamic filter enable	SW5,SW8=ON; Others=OFF			
Test motor parameter upon power on disable	SW6,SW7,SW8=ON; Others=OFF			
Test motor parameter upon power on enable	SW5,SW6,SW7=ON; Others=OFF			
Test running	SW6,SW8=ON; Others=OFF	Motor running @80RPM		
Automatic half-current	SW5=ON	Set SW5=ON to enable automatic half-current. Phase current will reduce to half of the set value after motor stops for 1.5s		

## **Technical Specifications**

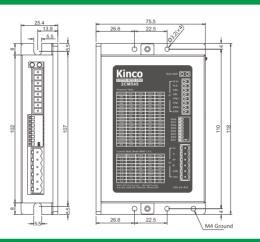
Input voltage

Overvoltage protection		85VDC			
Undervoltage protection		15VDC			
Ov	erheat protection	80°C(Temperature of thermistor)			
Ph	ase current(Peak)	0.3/0.6/0.8/1.2/1.4/1.6/2.0/2.5, 8 settable values			
		in total. (Unit: A)			
Su	bdivision	200~25600 Pulse/rev , 15 subdivision levels in total			
Ad	laptable motor	42/57 series 2-phase hybird stepper motor			
		PLS ( CW ) 、 DIR(CCW)、 FREE ,			
Inp	out signal	Input voltage : 5 ~ 24VDC ,			
		Input current: 8mA@5VDC, 12mA@24VDC			
Co	ntrol mode	Pulse control : PLS+DIR , CW/CCW			
Οι	ıtput signal	ERR, open collector output, maximum current:100mA			
Op	peration indicator	Combination of RUN and ERR LED indicates			
		different status			
Pro	otection circuit	Over voltage, under voltage, over current, over heat			
Со	oling method	Nature air cooling			
ш	Operation environment	Avoid environment with great amount of			
nvir		metallic powder, oil mist, or erosive gases			
Environment	Operation humidity	<85%, RH(Non-condensing or water drops)			
ner	Operation temperature	0°C ~ +40°C			
7	Storage temperature	-20°C ~ +70°C			
We	eight(Net)	0.25kg			
Dii	mensions	118×75.5×25.4 mm ( Toothless heat sink )			
Ing	gress protection	IP20			
Weight(Net)  Dimensions  Ingress protection		118×75.5×25.4 mm ( Toothless heat sink )			

Subo	division	setting	(Unit:PUL	SE/REV)	Cu	rrent	setting	(Unit:	A)
SW1	SW2	SW3	SW4=ON	SW4=OFF	SW6	SW7	SW8	RMS	Peak
ON	ON	ON	200	1000	ON	ON	ON	1.8	2.5
OFF	ON	ON	400	2000	OFF	ON	ON	1.4	2
ON	OFF	ON	800	4000	ON	OFF	ON	1.1	1.6
OFF	OFF	ON	1600	5000	OFF	OFF	ON	1	1.4
ON	ON	OFF	3200	8000	ON	ON	OFF	0.8	1.2
OFF	ON	OFF	6400	10000	OFF	ON	OFF	0.6	0.8
ON	OFF	OFF	12800	20000	ON	OFF	OFF	0.4	0.6
OFF	OFF	OFF	25600	NA	OFF	OFF	OFF	0.2	0.3



### Mechanical Dimensions (Unit: mm)



## Function of DIP switches

DIP setting	Description		
SW6,SW7=ON; Others=OFF	Set DIP switches according to functions required when		
SW7,SW8=ON; Others=OFF	power off. Power on driver, RUN LED blinking in green, ERR LED is red. It means		
SW5,SW6=ON; Others=OFF	settings take effect. Then power off driver, reset		
SW5,SW7=ON; Others=OFF	subdivision and current for normal use.		
SW5,SW8=ON; Others=OFF			
SW6,SW7,SW8=ON; Others=OFF			
SW5,SW6,SW7=ON; Others=OFF			
SW6,SW8=ON; Others=OFF	Motor running @80RPM		
SW5=ON	Set SW5=ON to enable automatic half-current. Phase current will reduce to half of the set value after motor stops for 1.5s		
	SW6,SW7=ON; Others=OFF SW7,SW8=ON; Others=OFF SW5,SW6=ON; Others=OFF SW5,SW7=ON; Others=OFF SW6,SW7,SW8=ON; Others=OFF SW6,SW7,SW8=ON; Others=OFF SW6,SW6,SW7=ON; Others=OFF		

- Support parameter self-adaptive function, generate optimal parameters according to motor type, ensure motor run at optimal performance;
- · Phase memory function;
- Automatic half-current function, selected by DIP switches;
- Test running function, selected by DIP switches;
- Over voltage protection, over current protection functions;
- Micro-step filter function can smooth input pulse to reduce transient motion of motor, make sure motor run more smoothly;
- Opto-isolation ERR signal output with max. current of 100mA;
- Opto-isolation 5-24V pulse input, responding frequency up 400KHz;
- 15 subdivision levels and 8 current levels are selectable by DIP switches;
- Pulse type is selectable by DIP switches: PUL+DIR&CW/CCW.

## **Technical Specifications**

In	out voltage	24 ~ 50VDC			
O١	ervoltage protection	85VDC			
Ur	ndervoltage protection	15VDC			
O۱	verheat protection	85°C(Temperature of thermistor)			
Ph	ase current(Peak)	1/1.5/2/2.5/3/3.5/4/4.5, 8 settable values			
		in total. (Unit: A)			
Su	bdivision	200~25600 Pulse/rev , 15 subdivision levels in total			
Ac	laptable motor	57 series 2-phase hybird stepper motor			
		PLS ( CW ) 、 DIR(CCW)、 FREE ,			
In	out signal	Input voltage : 5 ~ 24VDC ,			
		Input current: 8mA@5VDC, 12mA@24VDC			
Сс	ontrol mode	Pulse control: PLS+DIR, CW/CCW			
Οι	ıtput signal	ERR, open collector output, maximum current:100mA			
Op	peration indicator	Combination of RUN and ERR LED indicates			
		different status			
Pro	otection circuit	Over voltage, under voltage, over current, over heat			
Co	ooling method	Nature air cooling			
ш	Operation environment	Avoid environment with great amount of			
nvi.		metallic powder, oil mist, or erosive gases			
luo.	Operation humidity	<85%, RH(Non-condensing or water drops)			
Environment	Operation temperature	0°C ~ +40°C			
#	Storage temperature	-20℃ ~ +70℃			
W	eight(Net)	0.25kg			
Di	mensions	118×75.5×25.4 mm ( Toothless heat sink )			
Ing	gress protection	IP20			
	·	· · · · · · · · · · · · · · · · · · ·			

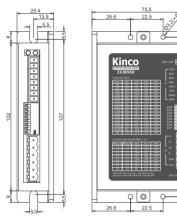
I	Subo	division	setting	(Unit:PUL	SE/REV)	Cu	rrent	setting	(Unit:	A)
Ī	SW1	SW2	SW3	SW4=ON	SW4=OFF	SW6	SW7	SW8	RMS	Peak
Ī	ON	ON	ON	200	1000	ON	ON	ON	3.2	4.5
Ī	OFF	ON	ON	400	2000	OFF	ON	ON	2.8	4
Ī	ON	OFF	ON	800	4000	ON	OFF	ON	2.5	3.5
Ī	OFF	OFF	ON	1600	5000	OFF	OFF	ON	2.1	3
Ī	ON	ON	OFF	3200	8000	ON	ON	OFF	1.8	2.5
Ī	OFF	ON	OFF	6400	10000	OFF	ON	OFF	1.4	2
	ON	OFF	OFF	12800	20000	ON	OFF	OFF	1.1	1.5
ĺ	OFF	OFF	OFF	25600	NA	OFF	OFF	OFF	0.7	1

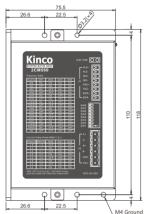


- Support parameter self-adaptive function, generate optimal parameters according to motor type, ensure motor run at optimal performance;
- · Phase memory function;
- · Automatic half-current function, selected by DIP switches;
- Test running function, selected by DIP switches;
- Over voltage protection, over current protection functions;
- Micro-step filter function can smooth input pulse to reduce transient motion of motor, make sure motor run more smoothly;
- Opto-isolation ERR signal output with max. current of 100mA;
- Opto-isolation 5-24V pulse input, responding frequency up 400KHz;
- 15 subdivision levels and 8 current levels are selectable by DIP switches;
- Pulse type is selectable by DIP switches: PUL+DIR&CW/CCW.

24 ~ 50VDC

### Mechanical Dimensions (Unit:mm)





### Function of DIP switches

Function	DIP setting	Description			
PLS+DIR	SW6,SW7=ON; Others=OFF	Set DIP switches according to functions required when			
CW/CCW	SW7,SW8=ON; Others=OFF	power off. Power on driver, RUN LED blinking in green, ERR LED is red. It means			
Micro-step smooth & dynamic filter disable	SW5,SW6=ON; Others=OFF	settings take effect. Then power off driver, reset			
Micro-step smooth filter enable	SW5,SW7=ON; Others=OFF	subdivision and current for normal use.			
Micro-step dynamic filter enable	SW5,SW8=ON; Others=OFF				
Test motor parameter upon power on disable	SW6,SW7,SW8=ON; Others=OFF				
Test motor parameter upon power on enable	SW5,SW6,SW7=ON; Others=OFF				
Test running	SW6,SW8=ON; Others=OFF	Motor running @80RPM			
Automatic half-current	SW5=ON	Set SW5=ON to enable automatic half-current. Phase current will reduce to half of the set value after motor stops for 1.5s			

## **Technical Specifications**

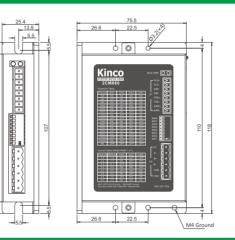
Input voltage

1 3					
Overvoltage protection		85VDC			
Undervoltage protection		15VDC			
Overheat protection		80°C(Temperature of thermistor)			
Ph	ase current(Peak)	1.8/2.4/3/3.6/4.2/4.8/5.4/6, 8 settable values			
		in total. (Unit: A)			
Su	bdivision	200~25600 Pulse/rev , 15 subdivision levels in total			
Ad	aptable motor	57 series 2-phase hybird stepper motor			
		PLS、DIR、FREE,			
Inp	out signal	Input voltage: 5 ~ 24VDC,			
		Input current: 8mA@5VDC, 12mA@24VDC			
Со	ntrol mode	Pulse control : PLS+DIR , CW/CCW			
Οι	ıtput signal	ERR, open collector output, maximum current:100mA			
Op	eration indicator	Combination of RUN and ERR LED indicates			
		different status			
Pro	otection circuit	Over voltage, under voltage, over current, over heat			
Со	oling method	Nature air cooling			
Э	Operation environment	Avoid environment with great amount of			
nvi.		metallic powder, oil mist, or erosive gases			
Environment	Operation humidity	<85%, RH(Non-condensing or water drops)			
ner	Operation temperature	0°C ~ +40°C			
1t	Storage temperature	-20°C ~ +70°C			
We	eight(Net)	0.25kg			
Dir	mensions	118×75.5×25.4 mm ( Toothless heat sink )			
Ing	gress protection	IP20			
		•			

Subdivision setting (Unit:PULSE/REV)					Current setting (Unit: A)				
SW1	SW2	SW3	SW4=ON	SW4=OFF	SW6	SW7	SW8	RMS	Peak
ON	ON	ON	200	1000	ON	ON	ON	4.2	6
OFF	ON	ON	400	2000	OFF	ON	ON	3.8	5.4
ON	OFF	ON	800	4000	ON	OFF	ON	3.4	4.8
OFF	OFF	ON	1600	5000	OFF	OFF	ON	3	4.2
ON	ON	OFF	3200	8000	ON	ON	OFF	2.5	3.6
OFF	ON	OFF	6400	10000	OFF	ON	OFF	2.1	3
ON	OFF	OFF	12800	20000	ON	OFF	OFF	1.7	2.4
OFF	OFF	OFF	25600	NA	OFF	OFF	OFF	1.3	1.8



## Mechanical Dimensions (Unit: mm)



### Function of DIP switches

Function	DIP setting	Description		
PLS+DIR	SW6,SW7=ON; Others=OFF	Set DIP switches according to functions required when		
CW/CCW	SW7,SW8=ON; Others=OFF	power off. Power on driver, RUN LED blinking in green, ERR LED is red. It means		
Micro-step smooth & dynamic filter disable	SW5,SW6=ON; Others=OFF	settings take effect. Then power off driver, reset		
Micro-step smooth filter enable	SW5,SW7=ON; Others=OFF	subdivision and current for normal use.		
Micro-step dynamic filter enable	SW5,SW8=ON; Others=OFF			
Test motor parameter upon power on disable	SW6,SW7,SW8=ON; Others=OFF			
Test motor parameter upon power on enable	SW5,SW6,SW7=ON; Others=OFF			
Test running	SW6,SW8=ON; Others=OFF	Motor running @80RPM		
Automatic half-current	SW5=ON	Set SW5=ON to enable automatic half-current. Phase current will reduce to half of the set value after motor stops for 1.5s		

#### • Support parameter self-adaptive function, generate optimal parameters according to motor type, ensure motor run at optimal performance;

- · Phase memory function;
- Automatic half-current function, selected by DIP switches;
- Test running function, selected by DIP switches;
- Over voltage protection, over current protection functions;
- Micro-step filter function can smooth input pulse to reduce transient motion of motor, make sure motor run more smoothly;
- Opto-isolation ERR signal output with max. current of 100mA;
- Opto-isolation 5-24V pulse input, responding frequency up 400KHz;
- 15 subdivision levels and 8 current levels are selectable by DIP switches;
- Pulse type is selectable by DIP switches: PUL+DIR&CW/CCW.

## **Technical Specifications**

Inp	out voltage	24 ~ 70VDC			
Οv	ervoltage protection	85VDC			
Un	dervoltage protection	15VDC			
Ov	erheat protection	80°C(Temperature of thermistor)			
Ph	ase current(Peak)	1.8/2.4/3/3.6/4.2/4.8/5.4/6, 8 settable values			
		in total. (Unit: A)			
Subdivision		200~25600 Pulse/rev , 15 subdivision levels in total			
Ad	laptable motor	57 series 2-phase hybird stepper motor			
		PLS、DIR、FREE,			
Inp	out signal	Input voltage : 5 ~ 24VDC ,			
		Input current: 8mA@5VDC, 12mA@24VDC			
Со	ntrol mode	Pulse control : PLS+DIR , CW/CCW			
Οι	ıtput signal	ERR, open collector output, maximum current:100mA			
Op	peration indicator	Combination of RUN and ERR LED indicates			
		different status			
Pro	otection circuit	Over voltage, under voltage, over current, over heat			
Со	oling method	Nature air cooling			
ш	Operation environment	Avoid environment with great amount of			
n⊻i.		metallic powder, oil mist, or erosive gases			
On	Operation humidity	<85%, RH(Non-condensing or water drops)			
Environment	Operation temperature	0°C ~ +40°C			
#	Storage temperature	-20°C ~ +70°C			
We	eight(Net)	0.25kg			
Dii	mensions	118×75.5×25.4 mm ( Toothless heat sink )			
Ing	gress protection	IP20			

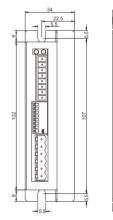
Subo	Subdivision setting (Unit:PULSE/REV)				Current setting (Unit: A)				
SW1	SW2	SW3	SW4=ON	SW4=OFF	SW6	SW7	SW8	RMS	Peak
ON	ON	ON	200	1000	ON	ON	ON	4.2	6
OFF	ON	ON	400	2000	OFF	ON	ON	3.8	5.4
ON	OFF	ON	800	4000	ON	OFF	ON	3.4	4.8
OFF	OFF	ON	1600	5000	OFF	OFF	ON	3	4.2
ON	ON	OFF	3200	8000	ON	ON	OFF	2.5	3.6
OFF	ON	OFF	6400	10000	OFF	ON	OFF	2.1	3
ON	OFF	OFF	12800	20000	ON	OFF	OFF	1.7	2.4
OFF	OFF	OFF	25600	NA	OFF	OFF	OFF	1.3	1.8

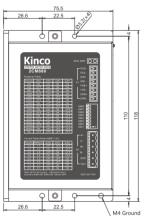


- Support parameter self-adaptive function, generate optimal parameters according to motor type, ensure motor run at optimal performance;
- · Phase memory function;
- Automatic half-current function, selected by DIP switches;
- Test running function, selected by DIP switches;
- Over voltage protection, over current protection functions;
- Micro-step filter function can smooth input pulse to reduce transient motion of motor, make sure motor run more smoothly;
- Opto-isolation ERR signal output with max. current of 100mA;
- Opto-isolation 5-24V pulse input, responding frequency up 400KHz;
- 15 subdivision levels and 8 current levels are selectable by DIP switches;
- Pulse type is selectable by DIP switches: PUL+DIR&CW/CCW.

24 ~ 70VDC

### Mechanical Dimensions (Unit: mm)





### Function of DIP switches

Function	DIP setting	Description
PLS+DIR	SW6,SW7=ON; Others=OFF	Set DIP switches according to functions required when
CW/CCW	SW7,SW8=ON; Others=OFF	power off. Power on driver, RUN LED blinking in green, ERR LED is red. It means
Micro-step smooth & dynamic filter disable	SW5,SW6=ON; Others=OFF	settings take effect. Then power off driver, reset
Micro-step smooth filter enable	SW5,SW7=ON; Others=OFF	subdivision and current for normal use.
Micro-step dynamic filter enable	SW5,SW8=ON; Others=OFF	
Test motor parameter upon power on disable	SW6,SW7,SW8=ON; Others=OFF	
Test motor parameter upon power on enable	SW5,SW6,SW7=ON; Others=OFF	
Test running	SW6,SW8=ON; Others=OFF	Motor running @80RPM
Automatic half-current	SW5=ON	Set SW5=ON to enable automatic half-current. Phase current will reduce to half of the set value after motor stops for 1.5s

## **Technical Specifications**

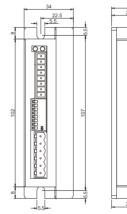
Input voltage

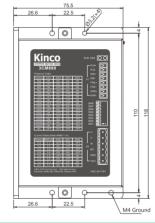
	at rentage					
Ov	ervoltage protection	85VDC				
Ur	dervoltage protection	15VDC				
Ov	erheat protection	80°C(Temperature of thermistor)				
Ph	ase current(Peak)	2.4/3.2/4/4.8/5.6/6.4/7.2/8, 8 settable values				
		n total. (Unit: A)				
Su	bdivision	200~25600 Pulse/rev , 15 subdivision levels in total				
Ad	laptable motor	57/86 series 2-phase hybird stepper motor				
		PLS、DIR、FREE,				
Inp	out signal	Input voltage: 5 ~ 24VDC,				
		Input current: 8mA@5VDC, 12mA@24VDC				
Co	ntrol mode	Pulse control : PLS+DIR , CW/CCW				
Οι	ıtput signal	ERR, open collector output, maximum current:100mA				
Op	peration indicator	Combination of RUN and ERR LED indicates				
		different status				
Pro	otection circuit	Over voltage, under voltage, over current, over heat				
Co	oling method	Nature air cooling				
ш	Operation environment	Avoid environment with great amount of				
l Ner		metallic powder, oil mist, or erosive gases				
onr	Operation humidity	<85%, RH(Non-condensing or water drops)				
Environment	Operation temperature	0°C ~ +40°C				
7	Storage temperature	-20°C ~ +70°C				
We	eight(Net)	0.253kg				
Dii	mensions	118×75.5×34 mm ( Toothed heat sink )				
Ing	gress protection	IP20				
	·	·				

Subdivision setting (Unit:PULSE/REV)					Current setting (Unit: A)				
SW1	SW2	SW3	SW4=ON	SW4=OFF	SW6	SW7	SW8	RMS	Peak
ON	ON	ON	200	1000	ON	ON	ON	5.7	8
OFF	ON	ON	400	2000	OFF	ON	ON	5.1	7.2
ON	OFF	ON	800	4000	ON	OFF	ON	4.5	6.4
OFF	OFF	ON	1600	5000	OFF	OFF	ON	4	5.6
ON	ON	OFF	3200	8000	ON	ON	OFF	3.4	4.8
OFF	ON	OFF	6400	10000	OFF	ON	OFF	2.8	4
ON	OFF	OFF	12800	20000	ON	OFF	OFF	2.3	3.2
OFF	OFF	OFF	25600	NA	OFF	OFF	OFF	1.7	2.4



## Mechanical Dimensions (Unit: mm)





### Function of DIP switches

Function	DIP setting	Description			
PLS+DIR	SW6,SW7=ON; Others=OFF	Set DIP switches according to functions required when			
CW/CCW	SW7,SW8=ON; Others=OFF	power off. Power on driver, RUN LED blinking in green, ERR LED is red. It means			
Micro-step smooth & dynamic filter disable	SW5,SW6=ON; Others=OFF	settings take effect. Then power off driver, reset			
Micro-step smooth filter enable	SW5,SW7=ON; Others=OFF	subdivision and current for normal use.			
Micro-step dynamic filter enable	SW5,SW8=ON; Others=OFF				
Test motor parameter upon power on disable	SW6,SW7,SW8=ON; Others=OFF				
Test motor parameter upon power on enable	SW5,SW6,SW7=ON; Others=OFF				
Test running	SW6,SW8=ON; Others=OFF	Motor running @80RPM			
Automatic half-current	SW5=ON	Set SW5=ON to enable automatic half-current. Phase current will reduce to half of the set value after motor stops for 1.5s			

# • Support parameter self-adaptive function, generate optimal parameters according to motor type, ensure motor run at optimal performance;

- · Phase memory function;
- Automatic half-current function, selected by DIP switches;
- Test running function, selected by DIP switches;
- Over voltage protection, over current protection functions;
- Micro-step filter function can smooth input pulse to reduce transient motion of motor, make sure motor run more smoothly;
- Opto-isolation ERR signal output with max. current of 100mA;
- Opto-isolation 5-24V pulse input, responding frequency up 400KHz;
- 15 subdivision levels and 8 current levels are selectable by DIP switches;
- Pulse type is selectable by DIP switches: PUL+DIR&CW/CCW.

## **Technical Specifications**

Input voltage		24 ~ 70VDC				
Οv	ervoltage protection	85VDC				
Un	dervoltage protection	15VDC				
Ov	erheat protection	80°C(Temperature of thermistor)				
Ph	ase current(Peak)	2.4/3.2/4/4.8/5.6/6.4/7.2/8, 8 settable values				
		in total. (Unit: A)				
Su	bdivision	400~25600 Pulse/rev , 15 subdivision levels in total				
Ad	aptable motor	3-phase hybird stepper motor				
		PLS、DIR、FREE,				
Inp	out signal	Input voltage : 5 ~ 24VDC ,				
		Input current: 8mA@5VDC, 12mA@24VDC				
Со	ntrol mode	Pulse control : PLS+DIR , CW/CCW				
Οι	ıtput signal	ERR, open collector output, maximum current:100mA				
Op	eration indicator	Combination of RUN and ERR LED indicates				
		different status				
Pro	otection circuit	Over voltage, under voltage, over current, over heat				
Со	oling method	Nature air cooling				
ш	Operation environment	Avoid environment with great amount of				
n⊻.		metallic powder, oil mist, or erosive gases				
Environment	Operation humidity	<85%, RH(Non-condensing or water drops)				
ner	Operation temperature	0°C ~ +40°C				
≠	Storage temperature	-20°C ~ +70°C				
We	eight(Net)	0.253kg				
Diı	mensions	118×75.5×34 mm ( Toothed heat sink )				
Ing	gress protection	IP20				

Subdivision setting (Unit:PULSE/REV)					Current setting (Unit: A)				
SW1	SW2	SW3	SW4=ON	SW4=OFF	SW6	SW7	SW8	RMS	Peak
ON	ON	ON	400	4000	ON	ON	ON	5.7	8
OFF	ON	ON	500	5000	OFF	ON	ON	5.1	7.2
ON	OFF	ON	600	6000	ON	OFF	ON	4.5	6.4
OFF	OFF	ON	800	10000	OFF	OFF	ON	4	5.6
ON	ON	OFF	1000	12800	ON	ON	OFF	3.4	4.8
OFF	ON	OFF	1200	20000	OFF	ON	OFF	2.8	4
ON	OFF	OFF	2000	25600	ON	OFF	OFF	2.3	3.2
OFF	OFF	OFF	3000	NA	OFF	OFF	OFF	1.7	2.4