

Technical Specifications

Model Number	SH-20803
Ordering Code	001032
Power Supply	24V ~ 70VDC, capacity 0.2KVA
Current Output	Max. 3A/Ph.(Peak), adjustable by switches
Control Mode	Constant Current PWM Control
Excitation Mode	A Type : Full/half step, 4/ 8/ 16/ 32/ 64 micro-stepping, improved half step B Type : Full/half step, 4/ 5/ 8/ 10/ 20/ 40 micro-stepping.
Isolation Resistance	>500M Ω
Dielectric Strength	0.5KV, 1 minute
Cooling	Fan-cooling
Operation Ambient	Preventing dust, oil, corrosion
Operation Temperature	0°C ~ +50°C
Humidity	<80%RH, no condensation
Vibration	5.9m/s ² Max
Storage Temperature	-20°C ~ +65°C
Volume	132×77×60mm
Weight	0.64 Kg

Switch Options

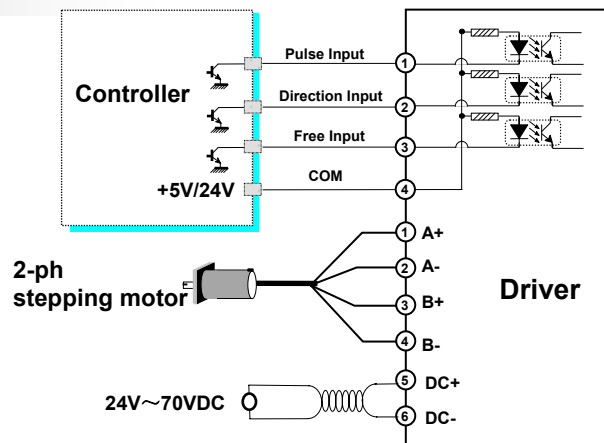
◆ Output Current Setting

S1	S2	S3		S1	S2	S3		S1	S2	S3		S1	S2	S3	
0	0	0	3.0A	0	0	1	2.7A	0	1	0	2.4A	0	1	1	2.1A
1	0	0	1.8A	1	0	1	1.5A	1	1	0	1.2A	1	1	1	0.9A

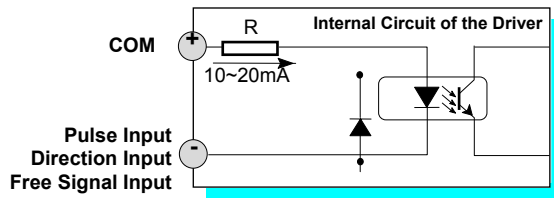
◆ Micro-step Setting

A Type	MS1	MS2	MS3		MS1	MS2	MS3		MS1	MS2	MS3	
	0	0	0	Full	1	0	0	Half	0	1	0	4
	1	1	0	8	0	0	1	16	1	0	1	32
	0	1	1	64	1	1	1	improved half step				
B Type	MS1	MS2	MS3		MS1	MS2	MS3		MS1	MS2	MS3	
	0	0	0	Full	1	0	0	Half	0	1	0	4
	1	1	0	5	0	0	1	8	1	0	1	10
	0	1	1	20	1	1	1	40				

Typical Connection



Interface Circuit



Notice:

When the command input is not TTL compatible, a series resistor for current limiting should be added at each signal input port according to the voltage level you use, for example, 24V with 2k Ω .

Dimensions [Unit: mm]

