

Stepper Motor Driver



2 Phase AC Stepper Motor Driver

YDS-HHAB140000000

YDS-HHAB160000000

YDS-HHAB240000000

YDS-HHAB260000000

YDS-HHAU120000000



Specification

2 - Phase Step Motor Driver					
MODEL	YDS-HHAB140000000	YDS-HHAB160000000	YDS-HHAB240000000	YDS-HHAB260000000	YDS-HHAU120000000
POWER	Single - Phase AC 110V±10%	Single - Phase AC 110V±10%	Single-Phase AC 85V ~ 265V	Single-Phase AC 85V ~ 265V	Single - Phase AC 110V ±10%
Frequency	50/60Hz				
Drive Current	1.0A ~ 4.0A		1.0A ~ 4.0A, 1.5A ~ 6.0A □		0.5A ~ 2.0A
Method	Constant Current (Bipolar)				
Resolution	Full Step (1.8°/s 200s/r)				
	Half Step (0.9°/s 400s/r)				
Control mode	Single - Pulse (1P)				
	Two - Pulse (2P)				
Auto - Current - Down	30 ~ 70% (16 Multi-Scale Current Control)				
Max Pulse Speed	60K Hz				
Pulse Width	5us (Min)				
Direction respon	10us (Min)				
Input Signal	+4 ~ +10V < 20mA				
Input Singnal Impedance	220Ω				
Output Singnal	Open Collector, 24V, 10mA (Max)				
Noise Isolation	Use of Photo Coupler				
Connection method	Removable Connector				
Ambient Temperature	0 ~ +40°C				
Ambient Moisture	< 85% RH				
Case Color	Color				
Dimension (mm)	185(L) x 107(W) x 52(H)	207(L) x 109(W) x 69(H)			148(L) x 99(W) x 41(H)
Weight	950g	1200g	1280g	1280g	670g



Stepper Motor Driver



2 Phase Micro DC stepper Motor Driver

YDS-HHDB1200000000



YDS-HHDU2220000000



YDS-HHDU2420000000



Specification

2 - Phase Micro Step Motor Driver			
MODEL	YDS-HHDB1200000000	YDS-HHDU2220000000	YDS-HHDU2420000000
POWER	DC24V ~ 42V	DC15V ~ 40V @2.0A	DC18V ~ 40V @4.0A
Drive Current	0.8A ~ 1.5A (16 Multi-Scale Current Control)	0.3A ~ 1.0A	0.5A ~ 4.0A
Method	Constant Current (Bipolar)		
Resolution	Full Step (1.8°/s 200s/r) Half Step (0.9°/s 400s/r)	0.225°/1, 600s/r	400, 500, 800, 1000, 1600, 2000, 3200,5000, 6400, 10000, 12800, 20000, 25000, 40000, 50000, 51000
Control mode	Single - Pulse (1P) Two - Pulse (2P)		
Auto-Current-Down	20 ~ 60%		7% ~ 60%
Max Pulse Speed	25K Hz	100K Hz	500K Hz
Pulse Width	15us (Min)	5us (Min)	3us (Min)
Direction respon	20us (Min)		
Input Signal	+4 ~ +10V < 20mA		
Input Singnal Impedance	220Ω		
Output Singnal	Open Collector, 24V, 10mA (Max)		
Noise Isolation	Use of Photo Coupler		
Connection method	Removable Connector		
Ambient Temperature	0 ~ +40°C		
Ambient Moisture	< 85% RH		
Dimension (mm)	75(L) x 98(W) x 34(H)	100(L) x 62(W) x 22(H)	133.5(L) x 90(W) x 41.5(H)
Weight	160g	160g	500g



Stepper Motor Driver



3 Phase Micro stepper Motor Driver



Specification

3 - Phase Micro Step Motor Driver			
MODEL	YDS-YKA3606MA	YDS-YKA3611MA	YDS-YKA3722MA
POWER	DC 12V ~ 40V	AC 40V ~ 110V	AC 110V ~ 220V
Drive Current	0.5-5.8A	0.3-5.2A	0.3-5.2 A
Method	Constant Current (Bipolar)		
	16 channel constant angle constant torque microsteps		
Resolution	Up to 60,000 s/r	Up to 30,000 s/r	Up to 30,000 s/r
Control mode	Single - Pulse (1P) Two - Pulse (2P)		
Auto-Current-Down	20 ~ 60%		7% ~ 60%
Max Pulse Speed	25K Hz	100K Hz	500K Hz
Response Frequency	up to 200Kpps		
Optically isolated signals	I/O		
Winding Current	Winding current will be reduced to set value when no step pulse command is received for 0.1 second.		
Dimension (mm)	42-86	86-110	86-110

