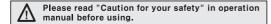
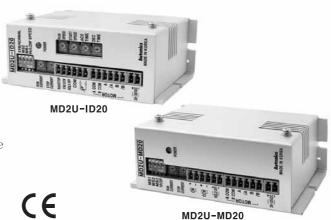
# 2-Phase Stepping Motor Driver

## Compact and high-performance of 2-phase stepping motor driver

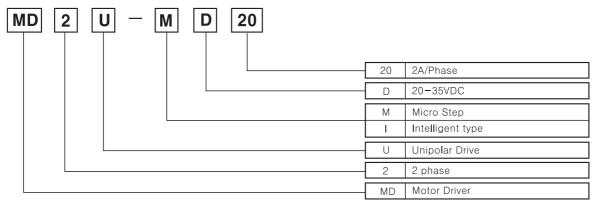
#### ■ Features

- •Unipolar constant current drive type
- •Able to run as ac/deceleration and symmetry/ asymmetry, set startup speed, running speed, RUN voltage, and stop current of motor.
- •Able to run as low speed, control precisely and constantly using micro step.
- •Insulate using photocoupler to minimize the influence by external noise.
- ●Power supply: 20-35VDC





## Ordering information



### Specifications

Model	MD2U-MD20		MD2U-ID20
Power srpply	(★1) 20−35VDC 3A		
RUN current	0.5 ~ 2.0A / Phase		
RUN method	Unipolar constant current drive		
Resolution	1, 2, 4, 5, 8, 10, 16, 20 of r	microstep	2, 5, 10, 20 of division
Pulse width	Min. 6 <i>μ</i> s		
Pulse interval	Min. 6μs		
Resing/falling time	Max. 0.5 <i>μ</i> s		
Max. input pulse frequency	80kpps	(★2)	40kpps
Pulse input voltage	High: 4-8VDC, Low: 0-0.5VDC		
Input resistance	300Ω (CW, CCW), 390Ω (H	IOLD OFF)	3.3kΩ(CW, CCW, HOLD OFF)
Insulation resistance	Min. $200M\Omega$ (Based on $500VDC$ )		
Dielectric strength	1000VDC 60Hz for 1 minute		
Vibration	1.5mm amplitude at frequency of 10~55Hz in each of X, Y, Z directions for 2 hours		
Shock	300m/s² (30G) in X, Y, Z directions for 3 times		
Ambient temperature	0 ~ 50℃ (at non-freezing status)		
Storage temperature	-20 ~ 60°C (at non-freezing status)		
Ambient humidity	35 ~ 85%RH		
Approval	C€		
Unit weight	Approx. 190g		

**\*(★1)** When using over 30VDC, it should be mounted at ventilative place due to increasing heat.

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**<sup>※(★2)</sup>** Max.input pulse frequency is changed depending on resolution.