

# SD4030B2

## DC24V Input 2-phase Microstep Driver



DC24V

0.5~3A / phase

Micro-step

Board type

### Specifications



Items	Description	Note	
Input voltage	DC+18V~40V		
Output current	0.5~3A peak ( $\pm 5\%$ )/phase	Being lower rated output current beyond Power Supply 24V	
Drive method	Chopper mode by Bipolar constant current	It can be used for uni-polar type.	
Current down function	Auto Current down Adjusting to set lower current of CND volume about 0.7 second after pulse stop	Selectable by switch.	
Maximum input pulse cycle	100Kpps		
Adjusting	RUN	For excitation current	The default factory setting is 2A.
	STOP	For current down value on current down mode.	Selectable between 10% to 60% of RUN current.
	MIX	Mixed Decay ratio (0%, 20%, 40%, 60%, 80%)	The default factory setting is 80%
	JOG	For JOG speed setting.	300pps~14Kpps
Select function	SW-1,2,3	Select of Resolutions	1/2, 1/8, 1/10, 1/16, 1/20, 1/32, 1/40, 1/64
	SW-4	ON/OFF for function of auto current down mode.	Switch ON is active and OFF is no active. The default factory setting is ON.
	SW-5,6	Select of JOG function	SW-5 ON is active for JOG, SW6 ON is CW, OFF is CCW
Input signals	P+,P-	Pulse Command	Selection of 1 pulse an 2 pulse for pulse command.
	D+,D-	Direction Command	
	OFF+,OFF-	No excitation	Isolated by photo coupler
Output signals	ALM+,ALM-	Alarm (Prospecting of over-heat for Power device) Output at over 170°C (Typ.) of power device	Photo Isolation, ON is active, OFF is no active (ALARM).
Dimension	W90×D55.5×H28		
Operating Temperature and Humidity	0~40°C, 35~80% RH	No condensation	
Storage Temperature and Humidity	-20~+85°C, 35~80% RH	No condensation	
Mass	Approximately 106g		

### Driver Outer Dimensions

