

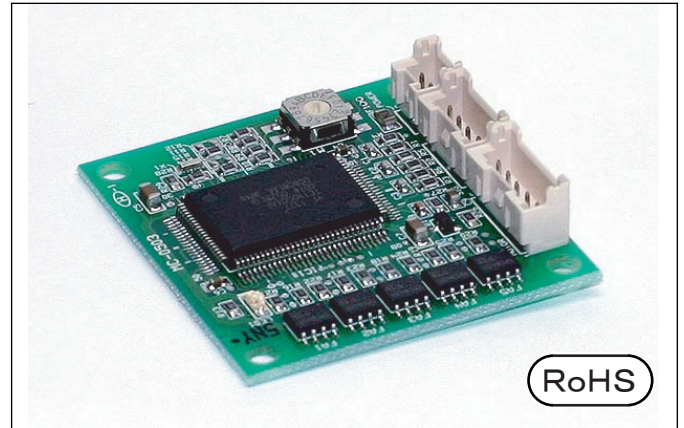
5 PHASE STEPPING MOTOR DRIVER

MC-0503 MC-0503-3

DC5V

Single power supply

The MC-0503 is an ultra-small 5-phase micro stepping driver with 5 Vdc.

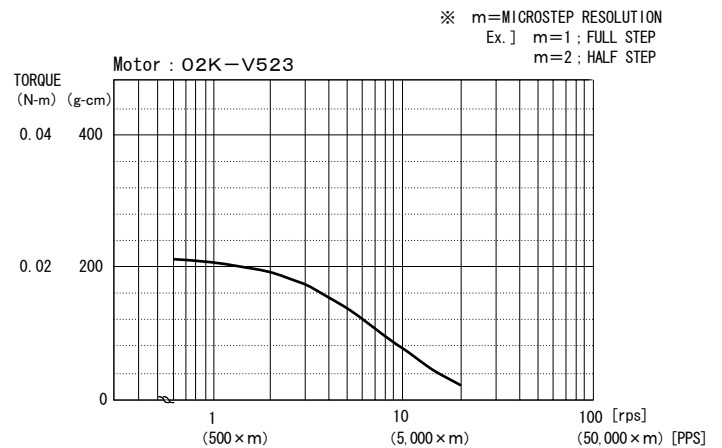


※ The drive motor is our V series 5-phase stepping motor.

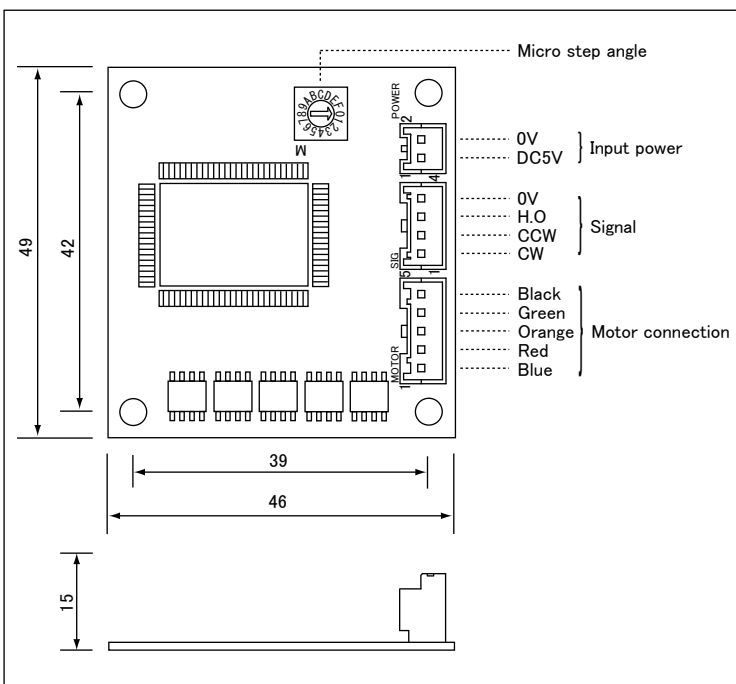
SPECIFICATION

Name	5-phase stepping motor driver	
Model	MC-0503 , MC-0503-3	
Driving method	Micro stepping driver	
Input power	DC5V±10% 1.8A Max.	
Drive motor	Our V series 5-phase stepping motor	
Division	MC-0503	1,2,4,5,8,10,16,20,25,40,50,80,100,125,200,250
	MC-0503-3	1,2,3,6,12,18,24,32,36,48,60,72,120,160,180,240
Input signal	C-MOS input [1] : 0 to 1V , [0] : 4 to 5V CW ,CCW ,HO	
Maximum frequency response	200kpps	
Function	2-pulse input system ,Step angle change-over	
Weight	15g (0.53oz)	
Operating temperature range	0 to 40°C (32~104° F) Non-freezing	
Operating humidity range	0 to 85% Non-condensing	

TORQUE CHARACTERISTIC



DIMENSIONS [unit:mm]



SETTING MICROSTEP RESOLUTION



MC-0503

SW No.	0	1	2	3	4	5
Division (m)	1	2	4	5	8	10
	6	7	8	9	A	
	20	40	80	16	25	
	B	C	D	E	F	
	50	100	125	200	250	

One micro step = 0.72 degree ÷ Division

MC-0503-3

SW No.	0	1	2	3	4	5
Division (m)	1 ※1	2 ※1	3	6	12	18
	6	7	8	9	A	
	24	32	36	48	60	
	B	C	D	E	F	
	72	120	160	180	240	

72 divided steps → 0.01 degree

※1: Does not drive at the low vibration in this case.

INPUT CIRCUIT

