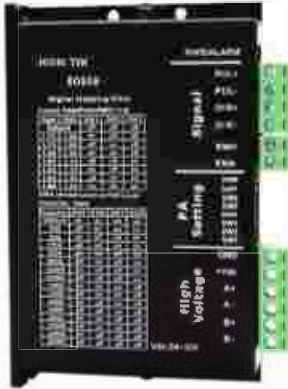


DM 556



Features

- 1.Voltage:24V~50VDC,peak current 5.6A
- 2.Apply for magnetic linkage vector resonance resistance algorithm and electronic damping low-speed vibration algorithm
- 3.Auto recognize motor parameters and auto tuning control parameters when power is on
- 4.Build-in micro-step segmentation algorithm, to achieve low micro-step control command, high micro-step operate effect
- 5.Receive differential and single-end PUL/DIR command
- 6.Pulse,direction,enable signal port electric level compatible 4.5V~28VDC ,no need to connect external resistor
- 7.Set positive edge ,negative edge and motor initial direction by serial port
- 8.Control command Max pulse frequency is 500KHz(Default is 200KHz)
- 9.Provide 15 gears micro-step value setting, to set 200~51200 micro-step by Serial port
- 10.Have serial port RS-232 or RS-485,can set or control drive parameters
11. can customized to 0~5V analog speed function
- 12.Reliable,signal port is optical isolation
- 13.Over-voltage, over-current, under-voltage protecting

Electrical Specifications (Tj=25°C/77°F)

Parameters	DM 556			
	Min	Typical	Max	Unit
Output current[PK]	0.5	-	5.6(4.0RMS)	A
Supply voltage	24	36	50	Vdc
Pulse Voltage	4.5	5	28	Vdc
Logic signal current	7	10	16	mA
Pulse input frequency	0	-	200	KHz
Isolation resistance	100	-	-	MΩ

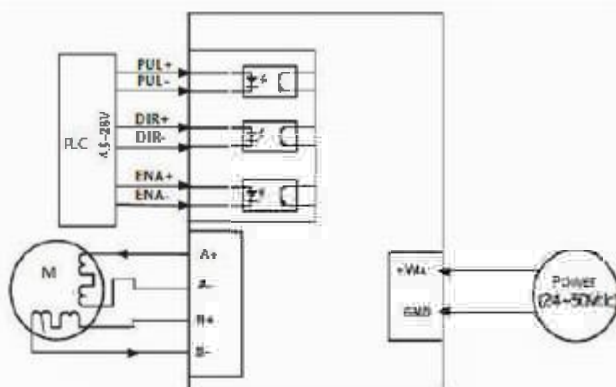
CURRENT SETTING

Peak Current	Valid current	Sw1	Sw2	Sw3
Default	1.0A(RMS)	OFF	OFF	OFF
2.1A	1.5A	ON	OFF	OFF
2.7A	1.9A	OFF	ON	OFF
3.2A	2.3A	ON	ON	OFF
3.8A	2.7A	OFF	OFF	ON
4.3A	3.1A	ON	OFF	ON
4.9A	3.5A	OFF	ON	ON
5.6A	4.0A	ON	ON	ON

Micro-step Setting

Step/R	Sw5	Sw6	Sw7	Sw8
Default(200)	ON	ON	ON	ON
400	OFF	ON	ON	ON
800	ON	OFF	ON	ON
1600	OFF	OFF	ON	ON
3200	ON	ON	OFF	ON
6400	OFF	ON	OFF	ON
12800	ON	OFF	OFF	ON
25600	OFF	OFF	OFF	ON
1000	ON	ON	ON	OFF
2000	OFF	ON	ON	OFF
4000	ON	OFF	ON	OFF
5000	OFF	OFF	ON	OFF
8000	ON	ON	OFF	OFF
10000	OFF	ON	OFF	OFF
20000	ON	OFF	OFF	OFF
25000	OFF	OFF	OFF	OFF

Product Diagram



Product Dimension(Unit:mm)

