







GND

10k Ohm

5V

Pull-up resistance

General Characteristics:

Stall torque

Stall current

Motor Configuration					
Mechanical Structure	outrunner				
Number of pole pairs		7	Speed constant	Vms/krpm	3.95
Number of phases		3	Torque constant	mN/A	44
Winding connection	star		Phase resistance	Ohm	1.3
Total weight	gram	90	DQ inductance	uH	400
Rotor inertia	uNm*s²	1.6	Friction	uN*m*s	0.5
Thermal Data			Sensoric		
Thermal resistance housing-ambient	5K/W		Sensor type bipolar self-locking		f-locking hall
Thermal resistance winding-housing	7.9K/W		Number of halls 3		
Ambient temperature	-40~100 °C		Supply voltage		5V
Max. winding temperature	120 °C		Electrical angle 120 degrees		
Nominal & Stall			Hall sequence Tested in CCW direction	regards to back	EMF:
Nominal voltage	V	24	BEMF U	V	W
No load speed	rpm	4800		\times	
Noload current	mA	180		20 240	\nearrow
Nominal speed	rpm	3400	<u> </u>	<u> </u>	-
Nominal torque	mNm	92	ни		
Nominal current	А	1.9	HV		
Nominal power	W	32.5	HW I		
Efficiency(Max./Nominal)	86%	/ 73%	Wire configuration	(Left -Right):	

230

5.5

 $\, mNm \,$

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