







H1 6

GND

10k Ohm

H2 5

General Characteristics:

Stall torque

Stall current

Motor Configuration					
Mechanical Structure	outrunner				
Number of pole pairs	7		Speed constant	Vms/krpm	5.14
Number of phases	3		Torque constant	mN/A	65
Winding connection	star		Phase resistance	mOhm	410
Total weight	gram	220	DQ inductance	uН	200
Rotor inertia	uNm*s²	6.5	Friction	uN*m*s	0.5
Thermal Data			Sensoric		
Thermal resistance housing-ambient	4.5K/W		Sensor type	bipolar self-locking hall	
Thermal resistance winding-housing	6.8K/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 regards to back EMF: Tested in CCW direction		
Nominal voltage	V	24	BEMF U	V	W
No load speed	rpm	3600	\times		
Noload current	mA	225	0 120	240	
Nominal speed	rpm	2550		<u> </u>	
Nominal torque	mNm	280	HU		بنسبا
Nominal current	А	4.34	HV		
Nominal power	W	74	HW I	 	
Efficiency(Max./Nominal)	85%	/ 72%	Wire configuration (Left -Right):		

670

11.5

Pull-up resistance

 $\,mNm\,$