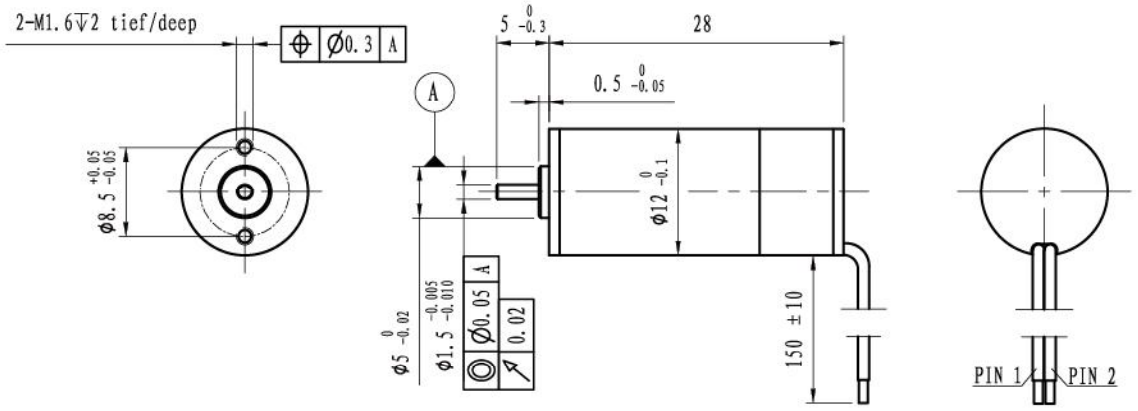
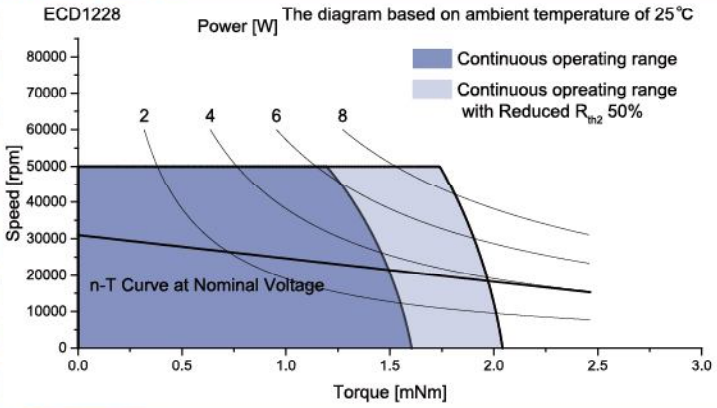


M 1.5:1

Sensorless ECD1228L-...		0631
Motor data		
Values at nominal voltage		
1 Nominal voltage	V	6
2 No load speed	rpm	31000
3 No load current	mA	140
4 Nominal speed	rpm	27755
5 Nominal torque	mNm	0.5
6 Nominal current	A	0.42
7 Stall torque	mNm	4.78
8 Stall current	A	2.86
9 Max. efficiency	%	60.6
10 Supply voltage +Vcc	V	4.5..7
11 Direction of ratation		CW
12 Torque constant	mNm/A	1.78
13 Speed constant	rpm/V	5374
14 Speed/torque gradient	rpm/mNm	6350
15 Mechanical time constant	ms	11.3
16 Rotor inertia	gcm^2	0.2
17 Thermal resistance housing-ambient	38.3 K/W	
18 Thermal resistance winding-housing	9.6 K/W	
19 Thermal time constant winding	5 s	
20 Thermal time constant motor	196 s	
21 Ambient temprature	-30...+100℃	
22 Max. permissible winding temperature	+125℃	
23 Max. permissible speed	50000 rpm	
24 Axial play at axial load <0.8 N	0 mm	
>0.8 N	max. 0.3 mm	
25 Radial play	preloaded	
26 Max. axial load (dynamic)	0.3	
27 Max.force for press fits (static)	11N	
(static, shaft supported)	200 N	
28 Max. radial loading, 5mm from flange	4.3 N	
29 Number of pole pairs	1	
30 Number of phases	3	
31 Weight of motor	12.2 g	

Operating Range



Controller features	
Sensor, Open loop, Imax < 0.5A	
Overload protection, Stall protection	
Max. temperature of electronics	+105℃

Connection

Conection			
Pin 1	+VCC	PTFE AWG24	red
Pin 2	GND	AWG24	black

Caution:
Incorrect lead connection will damage the controller!

Configuration

Function: On&Off/Direction/Speed control/Brake
Speed closed&open-loop Control/Speed feedback
Performance: Customized in the continuous operating range
Ball bearing: Preload
Flange: Standard frange front&back/customize the frange
Shaft: Length/Diameter/Cut face
Leadwire: PVC/Silicon/Teflon/UL No/Dimension/length
Connector: JST/MOLEX/TE

More :
Please contact our sales engineers