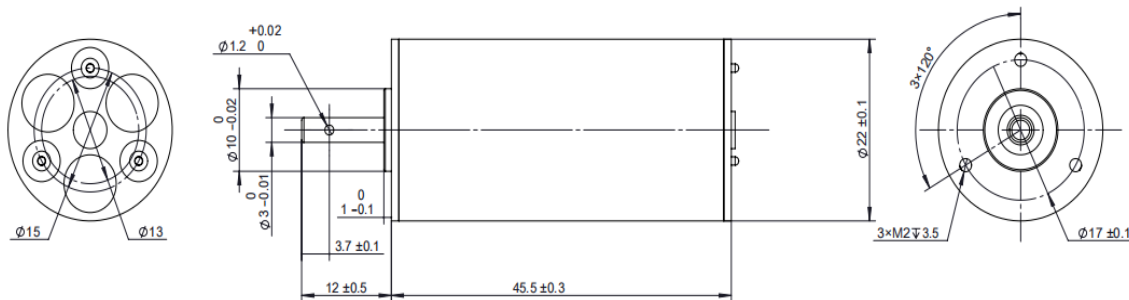


Motor Data		104005007					
Values at nominal voltage 额定电压值							
1	Nominal voltage 额定电压	U_N	30				V
2	No load speed 空载转速	n_0	40000				rpm
3	No load current 空载电流	I_0	250				mA
4	Stall torque 堵转转矩	M_H	282.9				mNm
5	Stall current 堵转电流	M_I	40.0				A
6	Max. efficiency 最大效率	η_{max}	85				%
7	Nominal power 额定功率	W_N	97.8				W
8	Nominal speed 额定转速	n_N	36226				rpm
9	Nominal torque (max.continuous torque) 额定转矩	M_N	27				mNm
10	Nominal current (max.continuous current) 额定电流	I_N	4				A
Characteristics 技术参数							
11	Terminal resistance phase to phase 相间电阻	R	0.75				Ω
12	Terminal inductance phase to phase 相间电感	L	55				μH
13	Back-EMF constant 反电势常数	K_E	0.75				mV/rpm
14	Torque constant 转矩常数	K_M	7.12				mNm/A
15	Speed constant 转速常数	K_n	1342				rpm/V
16	Current constant 电流常数	K_I	0.141				A/mNm
17	Speed / torque gradient 转速/转矩斜率	$\Delta n/\Delta M$	141.39				rpm/mNm
18	Mechanical time constant 机械时间常数	τ_m	1.8				ms
19	Rotor inertia 转子惯量	J	2.50				gcm^2
Specifications 技术参数							
20	Operating temperature range: 工作温度范围:						
	Motor 电机				-20.....+100		$^{\circ}\text{C}$
	winding, max permissible 线圈最高允许温度				+125		$^{\circ}\text{C}$
21	Direction of rotation 旋转方向				electronically reversible		
22	Max. speed 最大允许转速	n_{max}			45000		rpm
23	Number of pole pairs 磁极对数				1		
24	Number of phases 相数				3		
25	Magnet material 磁钢材料				NdFeB		
26	Hall sensors 霍尔传感器						
Mechanical data 机械参数							
27	Bearing type 轴承类型				ball bearings, preloaded		
28	Axial play 轴向间隙				0 - 0.3		mm
29	Max. axial load (dynamic) 最大轴向载荷 (动态)				4		N
30	Max. force for press fits (static) 最大轴向压配合力 (静态)				53		N
	(static, shaft supported) (静态, 支撑轴)				250		N
31	Max. radial loading, 5 mm from flange 最大径向载荷				16		N
Product 产品							
32	Weight of motor 重量		90				g

Dimensional drawing 尺寸图



Option, cable and connection information 选件, 电缆和连接信息

Connection Motor (Cable AWG22)

Note: About the torque curves, please contact us for more information.

