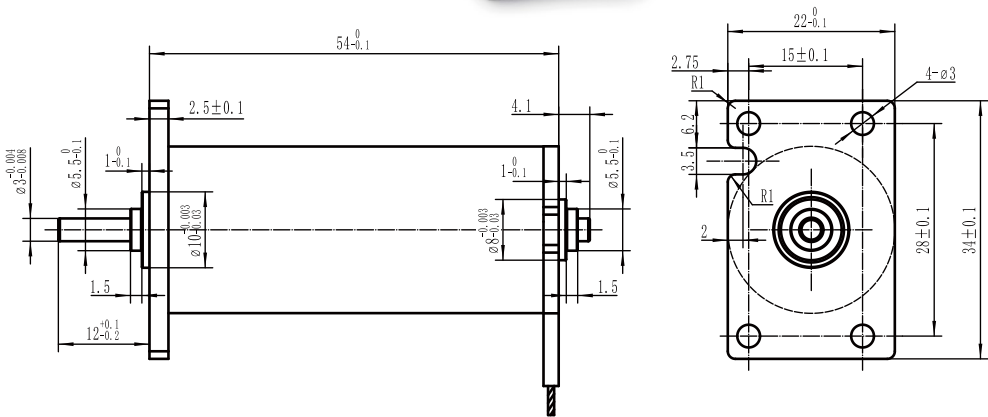


空心杯电枢绕组
Φ22*L54mm 有刷电机Brush DC motor



DC MOTOR



			电机型号Motor Model	
电机参数 Motor Data			DC2254-2411	
1	额定电压	Nominal voltage	V/DC	24
2	额定转速	Nominal speed	rpm	10296
3	额定电流	Nominal current	A	1.67
4	额定转矩	Nominal torque	mNm	30.97
5	空载转速	No-load speed	rpm	11700
6	空载电流	No-load current	mA	80
7	最大效率	Max. efficiency	%	85.10
8	最大连续转矩	Max continuous torque	mNm	64.52
9	堵转电流	Stall current	A	13.33
10	堵转转矩	Stall torque	mNm	258.06
电机常数 Motor Constants				
11	电机阻抗	Terminal resistance	Ω	1.80
12	电机感抗	Terminal inductance	mH	0.30
13	转矩常数	Torque constant	mNm/A	19.47
14	转速常数	Speed constant	rpm/V	488
15	转数/转矩常数	Speed/torque constant	rpm/mNm	45.30
16	机械时间常数	Mechanical time constant	ms	4
17	转子惯量	Rotor inetia	gcm²	2.6
其它 Others			电机特性曲线 (Motor Characteristics Curve)	
18	极对数	Number of pole pairs	1	
19	换向片数	Commutator Bars	11	
20	重量	Weight of motor	g	125
21	噪音	Typical noise level	dB	≤45
电机端子定义Motor terminal definetion				
红		M1	Motor +	铁氟龙
黑		M2	Motor -	铁氟龙
防护等级		Protection level	IP54	

The graph displays three curves: Speed (N, blue), Torque (P, orange), and Efficiency (η, red) plotted against Current (A). The x-axis ranges from 0 to 233.55 A. The left y-axis ranges from 0 to 14000 rpm. The right y-axis ranges from 0 to 100%.

Current (A)	Speed (rpm)	Torque (mNm)	Efficiency (%)
0	11700	0	0
1.29	11700	0	0
40.00	11700	30.97	85.10
78.71	11700	64.52	85.10
117.42	11700	98.03	85.10
156.13	11700	131.54	85.10
194.84	11700	165.05	85.10
233.55	11700	198.56	85.10

A	rpm	mN.m	W	%
---	-----	------	---	---