1630N5C | 碳刷 Graphite Brush

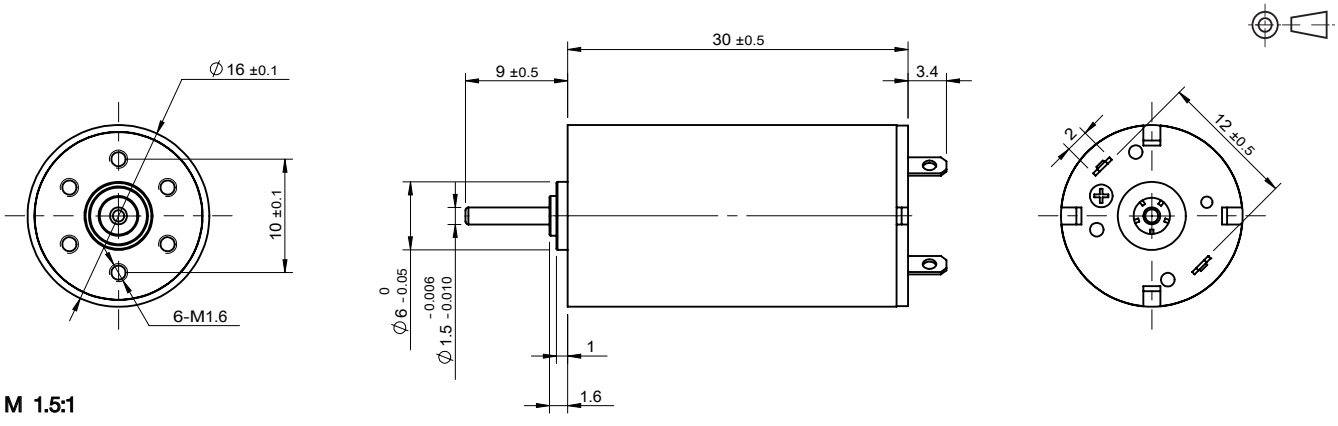
应用领域 : 医疗、保健、汽车、机器人、工业自动化等精密驱动领域。
Applications: precision drives in medical equipment and devices, healthcare products, automotive, robotics, and industrial automation.

主要技术指标 | Characteristics

				06-195-6.0	05-115-12.0	08-93-24.0
1	电压	Voltage	V	6.0	12.0	24.0
2	转子电阻	Rotor Resistance	Ω	0.7	4.5	34.5
3	空载转速	No-load speed	rpm	19500	11500	9300
4	空载电流	No-load current	mA	150	50	30
5	堵转转矩	Stall torque	mNm	24.3	25.6	15.8
6	堵转电流	Stall current	mA	8570	2670	700
7	额定转矩	Nominal torque	mNm	5.0	5.0	4.0
8	额定转速	Nominal speed	rpm	15490	9260	6950
9	额定电流	Nominal current	mA	1880	560	200
10	最大输出功率	Max. output power	W	12.4	7.7	3.9
11	最大效率	Max. efficiency	%	75	75	63
12	反电势常数	Back-EMF constant	mV/rpm	0.3	1.0	2.5
13	转矩常数	Torque constant	mNm/A	2.9	9.8	23.6
14	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	800	450	590
15	转子惯量	Rotor inertia	gcm^2	0.95	0.95	0.95
16	重量	Weight	g	22.5	22.5	22.5
17	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W		26.8	
18	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W		30.6	
19	热时常数 (电机)	Thermal time constant motor	s		242	
20	热时常数 (线圈)	Thermal time constant winding	s		232	
21	工作温度范围	Operating temperature range	°C		-20~+85	
22	绕组耐温等级	Thermal class of winding	°C		130	
23	轴向间隙	Axial play	mm		0.02~0.15	
24	径向间隙	Radial play	mm		0.012	
25	动态轴向载荷	Axial load dynamic	N		0.8	
26	静态轴向载荷	Axial load static	N		30	
27	径向载荷（距安装面 3mm）	Radial load at 3 mm from mounting face	N		1.5	
28	极对数	No. of pole pairs			1	
29	轴承	Bearings			2 枚含油轴承/2 sleeve bearings	
30	换向结构	Commutator			贵金属 5 相/metal 5 segments	
31	防护等级	Protection class			IP 30	

★可选参数 Options: 导线长度 Lead wires length 轴长 Shaft length 性能 Special coils
轴承类型 Bearing type 齿轮箱 Gearheads

外观图 | Outline Drawing



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规格如有变更，恕不另行通知
Specification subject to change without notice

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